

XX Identifying binding partner for synaptic vesicle protein 2 (SV2) for
 PT treating epilepsy, Parkinson's disease, Alzheimer's disease, involves
 PT determining binding partner which modulates binding of levetiracetam or
 PT its analog to SV2 protein.
 XX
 XX Disclosure; SEQ ID NO 8; 63pp; English.
 XX
 CC The invention relates to a method of identifying a binding partner for
 CC synaptic vesicle protein 2 (SV2), involves incubating SV2 protein with
 CC levetiracetam and a potential binding partner and determining if the
 CC potential binding partner modulates the binding of levetiracetam to the
 CC SV2 protein or fragment, thus identifying a binding partner for the SV2
 CC protein. The method is useful for identifying a binding partner for
 CC synaptic vesicle protein 2 and the identified binding partner is useful
 CC for treating epilepsy, epileptogenesis, seizure disorders, convulsions,
 CC depression, anxiety, cerebral ischaemia, myotonia, stroke, Tourette's
 CC syndrome, neonatal cerebral haemorrhage, Parkinson's disease, Alzheimer's
 CC disease and dementia. The present sequence represents the amino acid
 CC sequence of the human synaptic vesicle protein 2, SVOP.
 XX
 XX Sequence 548 AA;
 SQ
 Query Match 30.0%; Score 6; DB 8; Length 548;
 Best Local Similarity 100.0%; Pred. No. 2.8e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 8 LGWRWL 13
 |||||
 Db 235 LGWRWL 240
 RESULT 42
 ADP44588
 ID ADP44588 standard; protein; 548 AA.
 AC ADP44588;
 DT 09-SEP-2004 (first entry)
 DE Human synaptic vesicle protein OP (SVOP).
 XX
 XX neurological disorder; synaptic vesicle function; endocrinopathy;
 KW hormonal; SV2; synaptic vesicle protein 2; anticonvulsant; neuroleptic;
 KW antianemic; antidepressant; tranquiliser; antimigraine; analgesic;
 KW cerebroprotective; vasotropic; vulnerary; muscle relaxant; acaricide;
 KW relaxant; haemostatic; neuroprotective; antiparkinsonian; nootropic;
 KW endocrine; antidiabetic; seizure; epilepsy; Parkinson's; Alzheimer's;
 KW cognitive; movement; bipolar; neurodegenerative; dementia; gigantism;
 KW dwarfism; adrenal-medulla; hypoglycaemia; circulation shock; human; SVOP.
 XX
 OS Homo sapiens.
 XX
 XX WO2004051222-A2.
 PN 17-JUN-2004.
 PD
 PF 02-DEC-2003; 2003WO-US038122.
 XX
 XX 03-DEC-2002; 2002US-0430372P.
 PR 30-SEP-2003; 2003US-0506764P.
 XX
 XX (UNIO) UCB SA.
 PA
 XX Lynch B, Nocka K, Fuks B;
 FI
 XX WPI; 2004-461170/43.
 DR N-PSDB; ADP44587.
 XX
 XX Treating neurological disorder associated with synaptic vesicle function
 PT such as seizure, epilepsy, endocrinopathy or hormonal diseases, involves
 PT administering compound that modulates function or activity of SV2
 PT proteins.

XX Disclosure; SEQ ID NO 8; 135pp; English.
 XX
 CC The invention relates to a novel method for treating a neurological
 CC disorder associated with synaptic vesicle function, endocrinopathy or
 CC hormonal disease which comprises administering a compound or agent that
 CC modulates a function or activity of an SV2 (synaptic vesicle protein 2)
 CC protein. The method of the invention has anticonvulsant, neuroleptic,
 CC antianemic, antidepressant, tranquiliser, antimigraine, analgesic,
 CC cerebroprotective, vasotropic, vulnerary, muscle relaxant, acaricide,
 CC relaxant, haemostatic, neuroprotective, antiparkinsonian, nootropic,
 CC endocrine and antidiabetic applications. The method may be useful for
 CC treating a neurological disorder, endocrinopathy or hormonal disease
 CC associated with synaptic vesicle function. The neurological disorder is
 CC chosen from seizure, epilepsy, Parkinson's disease, Alzheimer's disease,
 CC cognitive disorders, movement disorders, bipolar disorders,
 CC neurodegenerative disease and dementia. The endocrinological disorder is
 CC chosen from endocrinopathies involving hypersecretion or hyposecretion of
 CC at least one hormone, gigantism, dwarfism, adrenal-medulla-related
 CC diseases, hypoglycaemia and circulation shock. The current sequence is
 CC that of the human synaptic vesicle protein OP (SVOP) of the invention.
 XX
 XX Sequence 548 AA;
 SQ
 Query Match 30.0%; Score 6; DB 8; Length 548;
 Best Local Similarity 100.0%; Pred. No. 2.8e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 8 LGWRWL 13
 |||||
 Db 235 LGWRWL 240
 RESULT 43
 ADP44596
 ID ADP44596 standard; protein; 548 AA.
 AC ADP44596;
 XX
 DT 09-SEP-2004 (first entry)
 DE Norway rat synaptic vesicle protein OP (SVOP).
 XX
 XX neurological disorder; synaptic vesicle function; endocrinopathy;
 KW hormonal; SV2; synaptic vesicle protein 2; anticonvulsant; neuroleptic;
 KW antianemic; antidepressant; tranquiliser; antimigraine; analgesic;
 KW cerebroprotective; vasotropic; vulnerary; muscle relaxant; acaricide;
 KW relaxant; haemostatic; neuroprotective; antiparkinsonian; nootropic;
 KW endocrine; antidiabetic; seizure; epilepsy; Parkinson's; Alzheimer's;
 KW cognitive; movement; bipolar; neurodegenerative; dementia; gigantism;
 KW dwarfism; adrenal-medulla; hypoglycaemia; circulation shock; Norway rat;
 KW SVOP.
 XX
 OS Rattus norvegicus.
 XX
 XX WO2004051222-A2.
 PN 17-JUN-2004.
 PD
 PF 02-DEC-2003; 2003WO-US038122.
 XX
 XX 03-DEC-2002; 2002US-0430372P.
 PR 30-SEP-2003; 2003US-0506764P.
 XX
 XX (UNIO) UCB SA.
 PA
 XX Lynch B, Nocka K, Fuks B;
 FI
 XX WPI; 2004-461170/43.
 DR N-PSDB; ADP44595.
 XX
 XX Treating neurological disorder associated with synaptic vesicle function
 PT such as seizure, epilepsy, endocrinopathy or hormonal diseases, involves

PT administering compound that modulates function or activity of SV2
PT proteins.
XX
PS Disclosure; SEQ ID NO 16; 135pp; English.
XX
XX The invention relates to a novel method for treating a neurological
XX disorder associated with synaptic vesicle function, endocrinopathy or
CC hormonal disease which comprises administering a compound or agent that
CC modulates a function or activity of an SV2 (synaptic vesicle protein 2)
CC protein. The method of the invention has anticonvulsant, neuroleptic,
CC antianemic, antidepressant, tranquiliser, antimigraine, analgesic,
CC cerebroprotective, vasotropic, antiparkinsonian, nootropic,
CC relaxant, haemostatic, neuroprotective, antiparkinsonian, nootropic,
CC endocrine and antidiabetic applications. The method may be useful for
CC treating a neurological disorder, endocrinopathy or hormonal disease
CC associated with synaptic vesicle function. The neurological disorder is
CC chosen from seizure, epilepsy, Parkinson's disease, Alzheimer's disease,
CC cognitive disorders, movement disorders, bipolar disorders,
CC neurodegenerative disease and dementia. The endocrinological disorder is
CC chosen from endocrinopathies involving hypersecretion or hyposecretion of
CC at least one hormone, gigantism, dwarfism, adrenal-medulla-related
CC diseases, hypoglycaemia and circulation shock. The current sequence is
CC that of the Norway rat synaptic vesicle protein OP (SVOP) of the
CC invention.
XX
XX SQ Sequence 548 AA;
Query Match 30.0%; Score 6; DB 8; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.8e+00;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 8 LGWRWL 13
| | | | |
DB 235 LGWRWL 240
| | | | |
RESULT 44
ADD15932
ID ADD15932 standard; protein; 610 AA.
XX
XX AC ADD15932;
XX
XX DT 15-JAN-2004 (first entry)
XX
XX DE Aspergillus niger monoamine oxidase protein variant N336S + M348K.
XX
XX KW enantiomeric conversion; amine; homochiral; enzyme; oxidation catalysis;
KW stereoselective; microbial; monoamine oxidase; MAO; enantioselectivity;
KW deracemization; mutant; mutein.
XX
XX OS Synthetic.
XX OS Aspergillus niger.
XX
XX FH Key Location/Qualifiers
FT Misc-difference 1. .610
FT /note= "All Xaa residues signify a stop codon"
FT Misc-difference 336
FT /note= "The wild-type residue of Asn is substituted with
FT Ser"
FT Misc-difference 348
FT /note= "The wild-type residue of Met is substituted with
FT Lys"
XX
XX PN WO2003080855-A2.
XX
XX PD 02-OCT-2003.
XX
XX PF 19-MAR-2003; 2003WO-GB001198.
XX
XX PR 19-MAR-2002; 2002GB-00006415.
XX
XX PA (GLAX) GLAXO GROUP LTD.
XX
XX PI Alexeeva MV, Enright A, Turner NJ, Mahmoudian M;
XX WPI; 2003-779267/73.

PI Alexeeva MV, Enright A, Turner NJ, Mahmoudian M;
XX WPI; 2003-779267/73.
XX
XX PS Enantiomeric conversion of amines comprises treating a homochiral amine
PT or mixture of amine enantiomers with enzyme capable of catalyzing
PT oxidation of amine and subsequently or simultaneously treating with a
PT reducing agent.
XX
XX PS Claim 26; SEQ ID NO 3; 43pp; English.
XX
XX CC The invention relates to a novel method for the enantiomeric conversion
CC of amines. The method comprises treating a homochiral amine or a mixture
CC of amine enantiomers with an enzyme capable of catalysing oxidation of
CC the amine in a stereoselective manner and, subsequently or
CC simultaneously, treating with a reducing agent. A further method of the
CC invention is useful for directing the evolution of an amine oxidation
CC enzyme e.g., microbial monoamine oxidase (MAO), preferably Aspergillus
CC niger monoamine oxidase or its variant. This method is also useful for
CC increasing the enantioselectivity of an amine oxidase enzyme. The
CC enantioselective amine oxidase enzyme of the invention is useful in
CC deracemization of amines. This sequence represents a variant Aspergillus
CC niger monoamine oxidase protein of the invention.
XX
XX SQ Sequence 610 AA;
Query Match 30.0%; Score 6; DB 7; Length 610;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 6 WALGWR 11
| | | | |
DB 459 WALGWR 464
| | | | |
RESULT 45
ADD15931
ID ADD15931 standard; protein; 610 AA.
XX
XX AC ADD15931;
XX
XX DT 15-JAN-2004 (first entry)
XX
XX DE Aspergillus niger monoamine oxidase protein variant N336S.
XX
XX KW enantiomeric conversion; amine; homochiral; enzyme; oxidation catalysis;
KW stereoselective; microbial; monoamine oxidase; MAO; enantioselectivity;
KW deracemization; mutant; mutein.
XX
XX OS Synthetic.
XX OS Aspergillus niger.
XX
XX FH Key Location/Qualifiers
FT Misc-difference 1. .610
FT /note= "All Xaa residues signify a stop codon"
FT Misc-difference 336
FT /note= "The wild-type residue of Asn is substituted with
FT Ser"
XX
XX PN WO2003080855-A2.
XX
XX PD 02-OCT-2003.
XX
XX PF 19-MAR-2003; 2003WO-GB001198.
XX
XX PR 19-MAR-2002; 2002GB-00006415.
XX
XX PA (GLAX) GLAXO GROUP LTD.
XX
XX PI Alexeeva MV, Enright A, Turner NJ, Mahmoudian M;
XX WPI; 2003-779267/73.

PT Enantiomeric conversion of amines comprises treating a homochiral amine
 PT or mixture of amine enantiomers with enzyme capable of catalyzing
 PT oxidation of amine and subsequently or simultaneously treating with a
 PT reducing agent.

PS Claim 24; SEQ ID NO 2; 43pp; English.

XX The invention relates to a novel method for the enantiomeric conversion
 CC of amines. The method comprises treating a homochiral amine or a mixture
 CC of amine enantiomers with an enzyme capable of catalyzing oxidation of
 CC the amine in a stereoselective manner and, subsequently or
 CC simultaneously, treating with a reducing agent. A further method of the
 CC invention is useful for directing the evolution of an amine oxidation
 CC enzyme e.g., microbial monoamine oxidase (MAO), preferably Aspergillus
 CC niger monoamine oxidase or its variant. This method is also useful for
 CC increasing the enantioselectivity of an amine oxidase enzyme. The
 CC enantioselective amine oxidase enzyme of the invention is useful in
 CC deracemization of amines. This sequence represents a variant Aspergillus
 CC niger monoamine oxidase protein of the invention.

XX Sequence 610 AA;

Query Match 30.0%; Score 6; DB 7; Length 610;
 Best Local Similarity 100.0%; Pred. No. 3e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WALGWR 11
 |||||
 Db 459 WALGWR 464

RESULT 46
 ADD15930
 ID ADD15930 standard; protein; 610 AA.
 XX
 AC ADD15930;
 XX
 DT 15-JAN-2004 (first entry)
 XX
 DE Wild-type Aspergillus niger monoamine oxidase protein.
 XX
 KW enantiomeric conversion; amine; homochiral; enzyme; oxidation catalysis;
 KW stereoselective; microbial; monoamine oxidase; MAO; enantioselectivity;
 KW deracemization; wild-type.
 XX
 OS Aspergillus niger.

XX Key Location/Qualifiers
 FH Misc-difference 1. .610
 FT /note= "All Xaa residues signify a stop codon"

XX WO2003080855-A2.

XX 02-OCT-2003.

XX 19-MAR-2003; 2003WO-GB001198.

XX 19-MAR-2002; 2002GB-00006415.

XX (GLAX) GLAXO GROUP LTD.

XX Alexeeva MV, Enright A, Turner NJ, Mahmoudian M;

XX WPI; 2003-779267/73.

XX Enantiomeric conversion of amines comprises treating a homochiral amine
 XX or mixture of amine enantiomers with enzyme capable of catalyzing
 PT oxidation of amine and subsequently or simultaneously treating with a
 PT reducing agent.

PS Example 7; SEQ ID NO 1; 43pp; English.

XX The invention relates to a novel method for the enantiomeric conversion

CC of amines. The method comprises treating a homochiral amine or a mixture
 CC of amine enantiomers with an enzyme capable of catalyzing oxidation of
 CC the amine in a stereoselective manner and, subsequently or
 CC simultaneously, treating with a reducing agent. A further method of the
 CC invention is useful for directing the evolution of an amine oxidation
 CC enzyme e.g., microbial monoamine oxidase (MAO), preferably Aspergillus
 CC niger monoamine oxidase or its variant. This method is also useful for
 CC increasing the enantioselectivity of an amine oxidase enzyme. The
 CC enantioselective amine oxidase enzyme of the invention is useful in
 CC deracemization of amines. This sequence represents the wild-type
 CC Aspergillus niger monoamine oxidase protein of the invention.

XX Sequence 610 AA;

Query Match 30.0%; Score 6; DB 7; Length 610;
 Best Local Similarity 100.0%; Pred. No. 3e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WALGWR 11
 |||||
 Db 459 WALGWR 464

RESULT 47
 AAG90181
 ID AAG90181 standard; protein; 755 AA.

XX AAG90181;

XX 26-SEP-2001 (first entry)

XX C glutamicum protein fragment SEQ ID NO: 3935.

XX Coryneform bacterium; amino acid synthesis; vitamin; saccharide;
 KW organic acid synthesis.

XX Corynebacterium glutamicum.

XX EP1108790-A2.

XX 20-JUN-2001.

XX 18-DEC-2000; 2000EP-00127688.

XX 16-DEC-1999; 99JP-00377484.

XX 07-APR-2000; 2000JP-00159162.

XX 03-AUG-2000; 2000JP-00280988.

XX (KYOW) KYOWA HAKKO KOGYO KK.

XX Nakagawa S, Mizoguchi H, Ando S, Hayashi M, Ochiai K, Yokoi H;
 PI Tateishi N, Senoh A, Ikeda M, Ozaki A;

XX WPI; 2001-376931/40.

XX N-PSDB; AAH65400.

XX Novel polynucleotides derived from Coryneform bacteria, for identifying
 PT mutation point of a gene, measuring expression of a gene, analyzing
 PT expression profile or pattern of a gene and identifying homologous gene.

XX Claim 17; SEQ ID NO 3935; 246pp + Sequence Listing; English.

XX The present invention provides a number of nucleotide and protein
 CC sequences from the Coryneform bacterium Corynebacterium glutamicum. These
 CC are useful for identifying the mutation point of a gene derived from a
 CC mutant of coryneform bacterium, measuring expression amount and analysing
 CC the expression profile or expression pattern of a gene derived from
 CC Coryneform bacterium, and identifying a homologue of a gene derived from
 CC coryneform bacterium. Coryneform bacteria are useful for producing amino
 CC acids, nucleic acids, vitamins, saccharides and organic acids,
 CC particularly L-lysine. The present sequence is a protein described in the
 CC exemplification of the invention. Note: The sequence data for this patent
 CC did not form part of the printed specification, but was obtained in

CC electronic format directly from the European Patent Office
XX
SQ Sequence 755 AA;
Query Match 30.0%; Score 6; DB 4; Length 755;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3 WSLWAL 8
Db 190 WSLWAL 195

RESULT 48
ADL65505
ID ADL65505 standard; protein; 755 AA.
XX
AC ADL65505;
XX
DT 20-MAY-2004 (first entry)
DE C. glutamicum membrane transport and synthesis-associated protein #39.
XX
KW fine chemical production; lysine production; nucleotide; nucleoside;
KW lipid; fatty acid; diol; carbohydrate; aromatic compound; vitamin;
KW co-factor; enzyme; food; animal feed; cosmetic; pharmaceutical; gene;
KW membrane synthesis; membrane transport.
XX
OS Corynebacterium glutamicum.
XX
PN DEL0154179-AL.
XX
PD 08-MAY-2003.
XX
PF 05-NOV-2001; 2001DB-01054179.
XX
PR 05-NOV-2001; 2001DB-01054179.
XX
PA (BADI) BASF AG.
XX
PI Zelder O, Pompejus M, Schroeder H, Kroeger B, Klopptogge C;
PI Haberhauer G;
XX
DR WPI; 2003-442553/42.
DR N-PSDB; ADL65504.
XX
PS New nucleic acid encoding variant forms of membrane construction and
PT transport proteins, useful for production of fine chemicals from
PT microorganisms, e.g. nucleotides, lipids and especially lysine.
XX
Claim 1; Page; 20pp; German.
XX
XX This invention describes novel polynucleotides that encode membrane
CC synthase and membrane transport proteins from Corynebacterium glutamicum.
CC The polynucleotides are isolated from a nucleic acid library of C.
CC glutamicum then mutated at the specified positions, cloned and expressed
CC by standard methods. Cells, especially Corynebacterium glutamicum,
CC containing vectors that express the polynucleotides are used for
CC production of fine chemicals, preferably amino acids and specifically
CC lysine, but more generally nucleotides, nucleosides, lipids, fatty acids,
CC diols, carbohydrates, aromatic compounds, vitamins, co-factors and
CC enzymes. These are useful in the food, animal feed, cosmetics and
CC pharmaceutical industries. The polynucleotides, optionally as primers and
CC probes, can also be used for identification and classification of C.
CC glutamicum and related species, e.g. for diagnosis, for genomic mapping,
CC functional or evolutionary studies, gene manipulation and modulation of
CC metabolic activity. Cells that containing the polynucleotides of the
CC invention may produce fine chemicals in better yields, with higher
CC productivity and/or more efficiently. NOTE: This sequence is not
CC represented in the printed specification but is available in electronic
CC format. The sequence represented in this record has been obtained from
CC WO2003040292.
XX

SQ Sequence 755 AA;
Query Match 30.0%; Score 6; DB 7; Length 755;
Best Local Similarity 100.0%; Pred. No. 3.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3 WSLWAL 8
Db 190 WSLWAL 195

RESULT 49
ABO75889
ID ABO75889 standard; protein; 800 AA.
XX
AC ABO75889;
XX
DT 29-JUL-2004 (first entry)
DE Pseudomonas aeruginosa polypeptide #8064.
XX
KW Bacterial infection; Pseudomonas aeruginosa infection; antibacterial.
XX
OS Pseudomonas aeruginosa.
XX
PN US6551795-B1.
XX
PD 22-APR-2003.
XX
PF 18-FEB-1999; 99US-00252991.
XX
PR 18-FEB-1998; 98US-0074788P.
PR 27-JUL-1998; 98US-0094190P.
XX
PA (GENO-) GENOME THERAPEUTICS CORP.
XX
PI Rubenfield MJ, Nolling J, Deloughery C, Bush D;
XX
DR WPI; 2003-615309/58.
DR N-PSDB; ABD09460.
XX
PT Novel isolated nucleic acid encoding Pseudomonas aeruginosa polypeptide,
PT useful as molecular targets for diagnostics, prophylaxis and treatment of
PT pathological conditions resulting from bacterial infection.
XX
PS Disclosure; SEQ ID NO 24635; 455pp; English.
XX
XX The invention relates to Pseudomonas aeruginosa polypeptides and the
CC polynucleotides encoding them. The sequences are useful in diagnosis and
CC therapy of pathological conditions, as molecular targets for diagnostics,
CC prophylaxis and treatment of pathological conditions resulting from a
CC bacterial infection, for evaluating a compound, such as a polypeptide,
CC for the ability to bind a P. aeruginosa nucleic acid, as components of
CC effective antibacterial targets, as targets for antibacterial drugs,
CC including anti-P. aeruginosa drugs, as templates for recombinant
CC production of P. aeruginosa-derived peptides or polypeptides, as target
CC components for diagnosis and/or treatment of P. aeruginosa-caused
CC infection, and in detection of P. aeruginosa sequences or other sequences
CC of Pseudomonas species using biochip technology. Sequences ABO67826-
CC ABO84396 represent P. aeruginosa polypeptides of the invention. Note: The
CC sequence data for this patent did not form part of the printed
CC specification but was obtained in electronic format from USPTO at
CC seqdata.uspto.gov/sequence.html
XX
SQ Sequence 800 AA;
Query Match 30.0%; Score 6; DB 7; Length 800;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 10 WRWLRR 15
Db 487 WRWLRR 492

RESULT 50
ADD14150
ID ADD14150 standard; protein; 880 AA.
XX AC ADD14150;
XX DT 01-JAN-2004 (first entry)
XX DE Human src biomarker polypeptide SEQ ID NO:339.
XX KW predictor set; protein tyrosine kinase activity modulator;
KW protein tyrosine kinase pathway; protein tyrosine kinase; cytostatic;
KW gene therapy; drug sensitivity; genetic profile; cancer; human.
XX OS Homo sapiens.
XX PN WO2003062395-A2.
XX PD 31-JUL-2003.
XX PF 17-JAN-2003; 2003WO-US001981.
XX PR 18-JAN-2002; 2002US-0350061P.
XX PA (BRIM) BRISTOL-MYERS SQUIBB CO.
XX PI Huang F, Fairchild CF, Lee FY, Shaw P;
XX WPI; 2003-636735/60.
XX DR N-PSDB; ADD14152.
XX PT New polynucleotides and polypeptides for predicting the activity of
PT compounds that interact with protein tyrosine kinases and/or protein
PT tyrosine kinase pathways.
PS Claim 10; SEQ ID NO 339; 139pp; English.
XX CC The present invention describes a predictor set comprising a plurality of
CC polynucleotides or polypeptides whose expression pattern is predictive of
CC the response of cells to treatment with a compound that modulates protein
CC tyrosine kinase activity or members of the protein tyrosine kinase
CC pathway. Also described: (1) predicting whether a compound is capable of
CC modulating the activity of cells, comprising obtaining a sample of cells,
CC determining whether the cells express a plurality of markers, and
CC correlating the expression of the markers to the compound's ability to
CC modulate the activity of the cells; (2) a plurality of cell lines for
CC identifying polynucleotides and polypeptides whose expression levels
CC correlate with compound sensitivity or resistance of cells associated
CC with a disease state; and (3) identifying polynucleotides and
CC polypeptides that predict compound sensitivity or resistance of cells
CC associated with a disease state, comprising subjecting the plurality of
CC cell lines to one or more compounds, analysing the expression pattern of
CC a microarray of polynucleotides or polypeptides, and selecting
CC polynucleotides or polypeptides that predict the sensitivity or
CC resistance of cells associated with a disease state by using the
CC expression pattern of the microarray. The polynucleotides and
CC polypeptides have cytostatic activities, and can be used in gene therapy.
CC The polynucleotides and polypeptides are useful in predicting the
CC activity of compounds that interact with protein tyrosine kinases and/or
CC protein tyrosine kinase pathways. These may be used in determining drug
CC sensitivity in patients to allow the development of individualized
CC genetic profiles which aid in treating diseases and disorders (e.g.
CC cancer) based on patient response at a molecular level. The present
CC sequence is used in the exemplification of the present invention.

Query Match 30.0%; Score 6; DB 7; Length 880;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QV 12 WLRRYG 17
Db 457 WLRRYG 462
RESULT 51
AAM24250
ID AAM24250 standard; protein; 896 AA.
XX AC AAM24250;
XX DT 12-OCT-2001 (first entry)
XX DE Human EST encoded protein SEQ ID NO: 1775.
XX KW Human; sheep; pig; cow; fruit fly; yeast; hamster; macaque; horse;
KW tomato; monkey; dog; sea urchin; expressed sequence tag; EST;
KW diagnostics; forensic test; gene mapping; genetic disorder; biodiversity;
KW gene therapy; nutrition.
XX OS Homo sapiens.
XX PN WO200154477-A2.
XX PD 02-AUG-2001.
XX PF 25-JAN-2001; 2001WO-US002687.
XX PR 25-JAN-2000; 2000US-00491404.
PR 17-JUL-2000; 2000US-00617746.
PR 03-AUG-2000; 2000US-00631451.
PR 15-SEP-2000; 2000US-00663870.
XX (HYSE-) HYSEQ INC.
XX Tang YT, Liu C, Zhou P, Qian XB, Wang Z, Chen R, Asundi V;
PI Cao Y, Drmanac RA, Zhang J, Werhman T;
XX WPI; 2001-476164/51.
XX N-PSDB; AAH98909.
XX Isolated polypeptide for treatment of diseases, diagnostics, raising
PT antibodies and research use.
XX Claim 20; Page 1166-1168; 1275pp; English.
XX The present invention provides the protein and coding sequences of novel
CC proteins from a variety of organisms, including human, dog, cat, horse,
CC cow, pig, hamster, monkey, macaque, yeast, bacteria, fruit fly, sea
CC urchin and tomato. These were derived from expressed sequence tags (ESTs)
CC from the organism of interest. They can be used in diagnostics,
CC forensics, gene mapping, identification of mutations, to assess
CC biodiversity and for nutritional purposes. The present sequence is a
CC protein of the invention
XX Sequence 896 AA;
SQ Query Match 30.0%; Score 6; DB 4; Length 896;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QV 12 WLRRYG 17
Db 687 WLRRYG 692
RESULT 52
AAB79887
ID AAB79887 standard; protein; 984 AA.
XX AC AAB79887;
XX DT 30-APR-2001 (first entry)

PR 08-JUL-1999; 99DE-01031457.
PR 08-JUL-1999; 99DE-01031465.
PR 08-JUL-1999; 99DE-01031478.
PR 08-JUL-1999; 99DE-01031510.
PR 08-JUL-1999; 99DE-01031541.
PR 08-JUL-1999; 99DE-01031573.
PR 08-JUL-1999; 99DE-01031592.
PR 08-JUL-1999; 99DE-01031632.
PR 08-JUL-1999; 99DE-01031634.
PR 08-JUL-1999; 99DE-01031636.
PR 09-JUL-1999; 99DE-01032125.
PR 09-JUL-1999; 99DE-01032126.
PR 09-JUL-1999; 99DE-01032130.
PR 09-JUL-1999; 99DE-01032186.
PR 09-JUL-1999; 99DE-01032206.
PR 09-JUL-1999; 99DE-01032227.
PR 09-JUL-1999; 99DE-01032228.
PR 09-JUL-1999; 99DE-01032229.
PR 09-JUL-1999; 99DE-01032230.
PR 14-JUL-1999; 99DE-01032322.
PR 14-JUL-1999; 99DE-01032926.
PR 14-JUL-1999; 99DE-01032928.
PR 14-JUL-1999; 99DE-01033004.
PR 14-JUL-1999; 99DE-01033005.
PR 14-JUL-1999; 99DE-01033006.
PR 12-AUG-1999; 99US-0148613P.
PR 27-AUG-1999; 99DE-01040764.
PR 27-AUG-1999; 99DE-01040765.
PR 27-AUG-1999; 99DE-01040766.
PR 27-AUG-1999; 99DE-01040832.
PR 31-AUG-1999; 99DE-01041378.
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PR 31-AUG-1999; 99DE-01041394.
PR 31-AUG-1999; 99DE-01041396.
PR 03-SEP-1999; 99DE-01042076.
PR 03-SEP-1999; 99DE-01042077.
PR 03-SEP-1999; 99DE-01042079.
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PR 03-SEP-1999; 99DE-01042087.
PR 03-SEP-1999; 99DE-01042088.
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PR 03-SEP-1999; 99DE-01042124.
PR 03-SEP-1999; 99DE-01042129.
PR 09-MAR-2000; 2000US-0187970P.
XX (BADI) BASF AG.
PA Pompejus M, Kroeger B, Schroeder H, Zelder O, Haberhauer G;
PI WPI; 2001-137957/14.
DR N-PSDB; AAF72049.
XX Nucleic acids from Corynebacterium glutamicum encoding metabolic pathway
XX proteins, useful for producing fine chemicals in microorganisms,
PT including organic acids, nonproteinogenic amino acids, and purine and
PT pyrimidine bases.
XX Claim 20; Page 1000-1003; 1737pp; English.
PS
XX
XX AAF71753 to AAF72330 encode the Corynebacterium glutamicum metabolic
CC pathway (MP) proteins given in AAF79634 to AAF80211. The C. glutamicum MP
CC nucleic acids are useful for the production of fine chemicals in
CC microorganisms, including organic acids, nonproteinogenic amino acids,
CC purine and pyrimidine bases, nucleosides, nucleotides, lipids, saturated
CC and unsaturated fatty acids, diols, carbohydrates, aromatic compounds,
CC vitamins, cofactors, polyketides and enzymes
XX
XX Sequence 984 AA;
Query Match 30.0%; Score 6; DB 4; Length 984;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 SLWALG 9
Db 404 SLWALG 409
RESULT 54
AAG93160
ID AAG93160 standard; protein; 1083 AA.
XX
AC AAG93160;
XX
DT 26-SEP-2001 (first entry)
XX
XX C glutamicum protein fragment SEQ ID NO: 6914.
DE Coryneform bacterium; amino acid synthesis; vitamin; saccharide;
XX organic acid synthesis.
KW Corynebacterium glutamicum.
XX
OS EP1108790-A2.
XX
PN 20-JUN-2001.
XX
XX 18-DEC-2000; 2000EP-00127688.
PF
XX 16-DEC-1999; 99JP-00377484.
PR 07-APR-2000; 2000JP-00159162.
PR 03-AUG-2000; 2000JP-00280989.
XX (KYOW) KYOWA HAKKO KOGYO KK.
XX Nakagawa S, Mizoguchi H, Ando S, Hayashi M, Ochiai K, Yokoi H;
XX Tateishi N, Senoh A, Ikeda M, Ozaki A;
XX WPI; 2001-376931/40.
DR N-PSDB; AAF68379.
XX Novel polynucleotides derived from Coryneform bacteria, for identifying
PT mutation point of a gene, measuring expression of a gene, analyzing
PT expression profile or pattern of a gene and identifying homologous gene.
XX Claim 17; SEQ ID NO 6914; 246pp + Sequence Listing; English.
XX The present invention provides a number of nucleotide and protein
CC sequences from the Coryneform bacterium Corynebacterium glutamicum. These
CC are useful for identifying the mutation point of a gene derived from a
CC mutant of coryneform bacterium, measuring expression amount and analysing
CC the expression profile or expression pattern of a gene derived from
CC Coryneform bacterium, and identifying a homologue of a gene derived from
CC Coryneform bacterium. Coryneform bacteria are useful for producing amino
CC acids, nucleic acids, vitamins, saccharides and organic acids,
CC particularly L-lysine. The present sequence is a protein described in the
CC exemplification of the invention. Note: The sequence data for this patent
CC did not form part of the printed specification, but was obtained in
CC electronic format directly from the European Patent Office
XX
XX Sequence 1083 AA;
Query Match 30.0%; Score 6; DB 4; Length 1083;
Best Local Similarity 100.0%; Pred. No. 4.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 4 SLWALG 9
Db 503 SLWALG 508
RESULT 55
AAY99369
ID AAY99369 standard; protein; 1089 AA.
XX

AC AAY99369;
XX
DT 08-AUG-2000 (first entry)
XX
DE Human PRO1249 (UN0632) amino acid sequence SEQ ID NO:102.
XX
KW Human; PRO polypeptide; membrane bound protein; receptor; diagnosis;
KW transmembrane; secretion; immunoadhesion; pharmaceutical; screening.
XX
OS Homo sapiens.
XX
PN WO200012708-A2.
XX
PD 09-MAR-2000.
XX
PF 01-SEP-1999; 99WO-US020111.
XX
PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098749P.
PR 02-SEP-1998; 98US-0098750P.
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PR 17-SEP-1998; 98US-0100711P.
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PR 23-SEP-1998; 98US-0101475P.
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PR 23-SEP-1998; 98US-0101479P.
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PR 20-OCT-1998; 98US-0105000P.
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PR 29-OCT-1998; 98US-0106248P.
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PR 30-OCT-1998; 98US-0106464P.
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PR 17-NOV-1998; 98US-0108867P.
PR 17-NOV-1998; 98US-0108925P.
PR 18-NOV-1998; 98US-0108848P.
PR 18-NOV-1998; 98US-0108849P.
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PR 18-NOV-1998; 98US-0108852P.
PR 18-NOV-1998; 98US-0108858P.
PR 18-NOV-1998; 98US-0108904P.
PR XX
FA (GETH) GENENTECH INC.
XX Baker K, Goddard A, Gurney AL, Smith V, Watanabe CK, Wood WI;
XX WPI; 2000-237871/20.
XX N-PSDB; AAA37051.
DR

XX New mammalian DNA sequences encoding transmembrane, receptor or secreted
PT PRO polypeptides, useful for screening of potential peptide or small
PT molecule inhibitors of the relevant receptor/ligand interactions.
XX Claim 12; Fig 60; 773pp; English.
XX AAA37022 to AAA37144 encode the new isolated human transmembrane,
CC receptor or secreted PRO polypeptides given in AA99340 to AA99462. The
CC transmembrane and receptor PRO proteins can be used for screening of
CC potential peptide or small molecule inhibitors of the relevant
CC receptor/ligand interactions. The polypeptides and nucleotide sequences
CC encoding them have various industrial applications, including uses as
CC pharmaceutical and diagnostic agents. AAA37145 to AAA37330 represent PCR
CC primers and hybridisation probes used in the isolation of the PRO
CC polypeptides from the present invention
XX Sequence 1089 AA;
SQ

Query Match 30.0%; Score 6; DB 3; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRVYG 17
DB 687 WLRVYG 692

RESULT 56
AAB66118
ID AAB66118 standard; protein; 1089 AA.
XX
AC AAB66118;
XX
DT 02-APR-2001 (first entry)
XX
DE Protein of the invention #30.
XX
XX Secreted; transmembrane; gene therapy.
XX Unidentified.
XX WO200078961-A1.
XX
XX 28-DEC-2000.
XX
XX 18-FEB-2000; 2000WO-US004342.
XX
XX 23-JUN-1999; 99US-0141037P.
XX 20-JUL-1999; 99US-0144758P.
XX 26-JUL-1999; 99US-0145698P.
XX 01-SEP-1999; 99WO-US020111.
XX 29-OCT-1999; 99US-0162506P.
XX 30-NOV-1999; 99WO-US028313.
XX 02-DEC-1999; 99WO-US028551.
XX 16-DEC-1999; 99WO-US030095.
XX 05-JAN-2000; 2000WO-US000219.
XX 06-JAN-2000; 2000WO-US000376.
XX
XX (GETH) GENENTECH INC.
XX Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
XX Gao W, Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ;
XX Pan J, Paoletti NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;
XX Williams PM, Wood WI;
XX WPI; 2001-071395/08.
XX
XX Secreted and transmembrane proteins and nucleic acids designated PRO,
XX useful as hybridization probes, in chromosome and gene mapping and gene
XX therapy.
XX Claim 1; Fig 60; 787pp; English.

XX The present invention relates to secreted and transmembrane proteins.
CC These proteins and the DNA encoding them may be used as hybridization
CC probes, in chromosome and gene mapping and in the generation of anti-
CC sense RNA and DNA. They may also be used to generate either for
CC transgenic animals or knockout animals which are in turn useful for
CC development and screening of therapeutically useful reagents. The nucleic
CC acids may also be used in gene therapy
XX Sequence 1089 AA;
SQ

Query Match 30.0%; Score 6; DB 4; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRVYG 17
DB 687 WLRVYG 692

RESULT 57
AAU29156
ID AAU29156 standard; protein; 1089 AA.
XX
AC AAU29156;
XX
DT 18-DEC-2001 (first entry)
XX
XX Human PRO polypeptide sequence #133.
XX
XX PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep;
XX dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
XX blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
XX adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder.
XX Homo sapiens.
XX WO200168848-A2.
XX
XX 20-SEP-2001.
XX
XX 28-FEB-2001; 2001WO-US006520.
XX
XX 01-MAR-2000; 2000WO-US005601.
XX 02-MAR-2000; 2000WO-US005841.
XX 03-MAR-2000; 2000US-0187202P.
XX 06-MAR-2000; 2000US-0186968P.
XX 14-MAR-2000; 2000US-0189320P.
XX 14-MAR-2000; 2000US-0189328P.
XX 15-MAR-2000; 2000WO-US006884.
XX 21-MAR-2000; 2000US-0190828P.
XX 21-MAR-2000; 2000US-0191007P.
XX 21-MAR-2000; 2000US-0191048P.
XX 21-MAR-2000; 2000US-0191314P.
XX 28-MAR-2000; 2000US-0192655P.
XX 29-MAR-2000; 2000US-0193032P.
XX 29-MAR-2000; 2000US-0193053P.
XX 30-MAR-2000; 2000WO-US008439.
XX 04-APR-2000; 2000US-0194449P.
XX 04-APR-2000; 2000US-0194647P.
XX 11-APR-2000; 2000US-0195975P.
XX 11-APR-2000; 2000US-0196000P.
XX 11-APR-2000; 2000US-0196187P.
XX 11-APR-2000; 2000US-0196690P.
XX 11-APR-2000; 2000US-0196820P.
XX 18-APR-2000; 2000US-0198121P.
XX 18-APR-2000; 2000US-0198585P.
XX 25-APR-2000; 2000US-0199397P.
XX 25-APR-2000; 2000US-0199550P.
XX 25-APR-2000; 2000US-0199654P.
XX 03-MAY-2000; 2000US-0201516P.
XX 17-MAY-2000; 2000WO-US013705.
XX 22-MAY-2000; 2000WO-US014042.
XX

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PR 02-JUN-2000; 2000WO-US015264.
PR 05-JUN-2000; 2000US-0209832P.
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PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
XX
PA (GETH ) GENENTECH INC.
XX
PI Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2001-602746/68.
DR N-PSDB; AAS46057.
XX
PT Novel nucleic acids encoding PRO polypeptides, used to diagnose the
PT presence of tumors, such as prostate and breast tumors, in mammals and to
PT screen for modulators of the compounds.
XX
XX Claim 11; Fig 266; 774pp; English.
XX
CC Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
CC The PRO polypeptides and their associated nucleic acids can be used to
CC detect the presence of a tumour in a mammal by comparing the level of
CC expression of a PRO polypeptide in a test sample of cells from the animal
CC and a control sample of normal cells, whereby a higher level of
CC expression in the test sample indicates the presence of a tumour in the
CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
CC and rabbits but are preferably human. The polypeptides can be used to
CC stimulate tumour necrosis factor (TNF) alpha release from human blood,
CC when contacted with it. A specific polypeptide can be used to stimulate
CC the proliferation or differentiation of chondrocyte cells. The PRO
CC proteins can be used to determine the presence of tumours and also
CC susceptibility to tumour development, particularly adrenal, lung, colon,
CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
CC can be used for genetic analysis of individuals with genetic disorders
XX
SQ Sequence 1089 AA;
Query Match 30.0%; Score 6; DB 4; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 12 WLRRYG 17
Db 687 WLRRYG 692
RESULT 58
ABUS8532
ID ABUS8532 standard; protein; 1089 AA.
XX
AC ABUS8532;
XX
DT 15-APR-2003 (first entry)
XX
DE Human PRO polypeptide #133.
XX
KW Human; PRO; cytostatic; tumour; cancer; breast; lung; stomach; liver;
KW dog; cat; cow; horse; sheep; pig; goat; rabbit; ADEPT;
KW antibody-dependent enzyme mediated prodrug therapy.
XX
XX Homo sapiens.
XX
XX US2003027272-A1.
XX
PD 06-FEB-2003.
XX
PF 21-JUN-2002; 2002US-00176492.

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PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
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PR 17-DEC-1997; 97US-0069870P.
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PR 20-MAR-1998; 98US-0077649P.
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Db      687 WLRYYG 692

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KW      extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW      chondrocyte; proliferation; differentiation; cartilage disorder;
KW      bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW      adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW      liver; drug screening; transgenic animal; genetic analysis;
KW      antiarthritic; vulneryary; gene therapy.
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Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 687 WLRRYG 692
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ID ABU89959 standard; protein; 1089 AA.
XX AC ABU89959;
XX DT 11-AUG-2003 (first entry)
XX DE Novel human secreted and transmembrane protein PRO1249.
KW Human; gene therapy; tissue typing; tumour; chondrocyte proliferation;
KW chondrocyte differentiation; tumour necrosis factor-alpha release;
XX affinity purification.
OS Homo sapiens.
XX US2003036147-A1.
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Query Match 30.0%; Score 6; DB 6; Length 1089;
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 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRYG 17
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 Db 687 WLRYG 692

RESULT 66
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 ID ABR68208 standard; protein; 1089 AA.
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AC ABR68208;
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DT 11-AUG-2003 (first entry)
XX DE
XX Human secreted polypeptide PRO1249, SEQ ID NO:266.
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KW Human; PRO; secreted protein; transmembrane protein;
KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;
KW antiarthritic; vulnary; gene therapy.
XX
OS Homo sapiens.
XX
PN US2003027264-A1.
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XX 06-FEB-2003.
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PF 18-JUN-2002; 2002US-00174579.
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Query Match 30.0%; Score 6; DB 6; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WURRYG 17
Db 687 WURRYG 692

RESULT 67

ABU96261

ID ABU96261 standard; protein; 1089 AA.

XX AC ABU96261;

XX DT 25-JUL-2003 (first entry)

DE Novel human secreted and transmembrane protein PRO1249.

XX Human; secreted and transmembrane protein; PRO; transgenic animal;

KW knockout; chromosome identification; tissue typing; tumour;
KW chondrocyte proliferation; chondrocyte differentiation;
XX tumor necrosis factor-alpha release stimulator.
OS Homo sapiens.
XX US2003036144-A1.
PN 20-FEB-2003.
PD
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PF 01-JUL-2002; 2002US-00187601.
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KW tumour necrosis factor-alpha; gene therapy.
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KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
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KW prostate tumour; rectal tumour; cervical tumour; liver tumour.
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Best Local Similarity 100.0%; Pred. No. 4.8e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 687 WLRRYG 692

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ABO02821

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XX ABO02821;

XX 09-AUG-2003 (first entry)

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KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KW tissue typing; adrenal tumour; lung tumour; colon tumour; breast tumour;
KW prostate tumour; rectal tumour; cervical tumour; liver tumour.

XX Homo sapiens.

XX US2003040062-A1.

XX 27-FEB-2003.

XX 25-JUN-2002; 2002US-00180545.

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Best Local Similarity 100.0%; Pred.No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
Db 687 WLRRYG 692

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DT 10-SEP-2003 (first entry)
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DE Human secreted polypeptide PRO1249, SEQ ID NO:266.
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KW Human; PRO; secreted protein; transmembrane protein;
KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;
KW antiarthritic; vulnery; gene therapy.
XX
OS Homo sapiens.
XX
PN US2003040056-A1.
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Best Local Similarity 100.0%; Pred.No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 12 WRRYG 17
DB 687 WRRYG 692
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RESULT 72
ABR94737
ID ABR94737 standard; protein; 1089 AA.
XX
AC ABR94737;
XX
DT 13-SEP-2003 (first entry)
XX
DE Human secreted polypeptide PRO1249, SEQ ID NO:266.
XX
KW Human; PRO; secreted protein; transmembrane protein;
KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;
KW antiarthritic; vulnery; gene therapy.
XX
OS Homo sapiens.
XX
PN US2003044926-A1.
XX
PD 06-MAR-2003.
XX
PF 26-JUN-2002; 2002US-00183015.
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Query Match 30.0%; Score 6; DB 6; Length 1089;
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QY 12 WLRRYG 17
 DB 687 WLRRYG 692

RESULT 73

ABU85710
 ID ABU85710 standard; protein; 1089 AA.

XX AC ABU85710;

XX DT 02-JUL-2003 (first entry)
 XX DE Human PRO polypeptide #133.

XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KW tumour necrosis factor alpha; TNF-alpha; chondrocyte cell; tumour;
 KW cytotstatic.

XX OS Homo sapiens.

XX PN US2003036140-A1.

XX PD 20-FEB-2003.

XX PF 01-JUL-2002; 2002US-00187588.

XX PR 26-JUN-1998; 98US-00105413.
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 PR 13-AUG-2001; 2001US-00929404.
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 PR 29-AUG-2001; 2001WO-US027099.
 PR 04-SEP-2001; 2001US-00946374.
 PR 15-JAN-2002; 2002US-00052586.

XX PA (GETH) GENENTECH INC.

XX PI Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
 XX PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;

XX DR WPI: 2003-332028/31.
 XX DR N-PSDB; ACA72903.

XX PT Three hundred and five nucleic acids encoding PRO polypeptides, useful
 XX PT for the manufacture of a medicament for diagnosing or treating tumor.

XX PS Claim 11; Fig 266; 707pp; English.

XX CC The invention relates to human PRO polypeptides (secreted and
 XX CC transmembrane polypeptides) and the PRO polynucleotides encoding them.
 XX CC The invention also relates to a method for stimulating the release of
 XX CC tumour necrosis factor alpha (TNF-alpha) from human blood by contacting
 XX CC the blood with a sequence of the invention, a method for stimulating the
 XX CC proliferation or differentiation of chondrocyte cells by contacting the
 XX CC cells with a PRO polypeptide and a method for detecting the presence of a
 XX CC tumour in a mammal. The polypeptides and polynucleotides are useful for
 XX CC the manufacture of a medicament for diagnosing or treating a tumour in a
 XX CC mammal. Sequences ABU85578-ABU85882 represent human PRO polypeptides of
 XX CC the invention. Note: The sequence data for this patent is also available
 XX CC in electronic format from USPTO at seqdata.uspto.gov/sequence.html

XX SQ Sequence 1089 AA;

Query Match 30.0%; Score 6; DB 6; Length 1089;
 Best Local Similarity 100.0%; Pred. No. 4.8e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17

DB 687 WLRRYG 692

RESULT 74

ABU98870
ID ABU98870 standard; protein; 1089 AA.
XX AC ABU98870;
XX DT 01-AUG-2003 (first entry)
XX DE Novel human secreted and transmembrane protein PRO1249.
XX KW Human; secreted and transmembrane protein; PRO; cytostatic; gene therapy;
KW chondrocyte stimulator; tumour; adrenal tumour; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; TNF-alpha release;
KW tumour necrosis factor alpha release; chondrocyte cell proliferation;
KW chondrocyte cell differentiation; pharmaceutical; diagnostic; biosensor;
KW bioreactor.
XX OS Homo sapiens.
XX PN US2003013153-A1.
XX PD 16-JAN-2003.
XX PF 19-JUN-2002; 2002US-00175737.
XX PR 18-SEP-1997; 97US-0059263P.
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DT 30-JUL-2003 (first entry)
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Search completed: October 26, 2004, 07:16:10
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 26, 2004, 07:22:37 ; Search time 65 Seconds
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99.618 Million cell updates/sec

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Gapop 60.0 , Gapext 60.0

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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5	13	65.0	20	14 US-10-066-965A-8	Sequence 8, Appl
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7	6	30.0	29	14 US-10-226-956-305	Sequence 305, Appl
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; Publication No. US20030143626A1
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; APPLICANT: COLAS, PIERRE
; APPLICANT: BRENT, ROGER
; APPLICANT: COHEN, BARAK A.
; TITLE OF INVENTION: TARGETED MODIFICATION OF INTRACELLULAR COMPOUNDS
; FILE REFERENCE: EGYPT 3.0-015
; CURRENT APPLICATION NUMBER: US/10/066,965A
; CURRENT FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-066-965A-2

Query Match 65.0%; Score 13; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.6e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 WALGWRWLRRYGW 18
|||||
DB 6 WALGWRWLRRYGW 18

RESULT 5
US-10-066-965A-8
; Sequence 8, Application US/10066965A
; Publication No. US20030143626A1
; GENERAL INFORMATION:
; APPLICANT: COLAS, PIERRE
; APPLICANT: BRENT, ROGER
; APPLICANT: COHEN, BARAK A.
; TITLE OF INVENTION: TARGETED MODIFICATION OF INTRACELLULAR COMPOUNDS
; FILE REFERENCE: EGYPT 3.0-015
; CURRENT APPLICATION NUMBER: US/10/066,965A
; CURRENT FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-066-965A-8

Query Match 65.0%; Score 13; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.6e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 WALGWRWLRRYGW 18
|||||
DB 6 WALGWRWLRRYGW 18

RESULT 6
US-10-226-956-308
; Sequence 308, Application US/10226956
; Publication No. US20030060399A1
; GENERAL INFORMATION:
; APPLICANT: Brophy, Colleen
; APPLICANT: Komalavilas, Padmini
; APPLICANT: Panitch, Alyssa
; APPLICANT: Joshi, Lokesh
; APPLICANT: Seal, Brandon L.

; TITLE OF INVENTION: REAGENTS AND METHODS FOR SMOOTH MUSCLE THERAPIES
; FILE REFERENCE: ASU-1061-US
; CURRENT APPLICATION NUMBER: US/10/226,956
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: 60/314,535
; PRIOR FILING DATE: 2001-08-23
; NUMBER OF SEQ ID NOS: 320
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 308
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic peptide
; NAME/KEY: MISC FEATURE
; LOCATION: (17)..(17)
; OTHER INFORMATION: S is phosphorylated
US-10-226-956-308

Query Match 30.0%; Score 6; DB 14; Length 26;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWALG 9
|||||
DB 17 SLWALG 22

RESULT 7
US-10-226-956-305
; Sequence 305, Application US/10226956
; Publication No. US20030060399A1
; GENERAL INFORMATION:
; APPLICANT: Brophy, Colleen
; APPLICANT: Komalavilas, Padmini
; APPLICANT: Panitch, Alyssa
; APPLICANT: Joshi, Lokesh
; APPLICANT: Seal, Brandon L.
; TITLE OF INVENTION: REAGENTS AND METHODS FOR SMOOTH MUSCLE THERAPIES
; FILE REFERENCE: ASU-1061-US
; CURRENT APPLICATION NUMBER: US/10/226,956
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: 60/314,535
; PRIOR FILING DATE: 2001-08-23
; NUMBER OF SEQ ID NOS: 320
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 305
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic peptide
; NAME/KEY: MISC FEATURE
; LOCATION: (20)..(20)
; OTHER INFORMATION: S is phosphorylated
US-10-226-956-305

Query Match 30.0%; Score 6; DB 14; Length 29;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWALG 9
|||||
DB 20 SLWALG 25

RESULT 8
US-10-437-963-136125
; Sequence 136125, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:

```

; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 136125
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_37734C.1.pap
US-10-437-963-136125

```

```

Query Match          30.0%; Score 6; DB 16; Length 65;
Best Local Similarity 100.0%; Pred. No. 54;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      10 WRWLR 15
         |||||
Db       35 WRWLR 40

```

```

RESULT 9
US-10-424-599-252446
; Sequence 252446, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 252446
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_69988C.1.pap
US-10-424-599-252446

```

```

Query Match          30.0%; Score 6; DB 15; Length 74;
Best Local Similarity 100.0%; Pred. No. 60;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      9 GWRWLR 14
         |||||
Db       61 GWRWLR 66

```

```

RESULT 10
US-09-867-550-1614
; Sequence 1614, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James

```

```

; TITLE OF INVENTION: No. US20020082206A1el Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1614
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-867-550-1614

```

```

Query Match          30.0%; Score 6; DB 9; Length 112;
Best Local Similarity 100.0%; Pred. No. 81;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      12 WLRRYG 17
         |||||
Db       4 WLRRYG 9

```

```

RESULT 11
US-10-437-963-194850
; Sequence 194850, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 194850
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(120)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_90856C.1.pap
US-10-437-963-194850

```

```

Query Match          30.0%; Score 6; DB 16; Length 120;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      5 LWALGW 10
         |||||
Db      31 LWALGW 36

```

```

RESULT 12
US-10-424-599-183967
; Sequence 183967, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei

```

```
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 183967
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(180)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_137136C.1.pep
US-10-424-599-183967

Query Match          30.0%; Score 6; DB 15; Length 180;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 LWALGW 10
DB      71 LWALGW 76

RESULT 13
US-10-425-114-43111
; Sequence 43111, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 43111
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 700735202_FLI.pep
US-10-425-114-43111

Query Match          30.0%; Score 6; DB 15; Length 180;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      13 LRRYGW 18
DB      72 LRRYGW 77

RESULT 14
US-10-425-114-40080
; Sequence 40080, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
```

```
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 40080
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 700564722_FLI.pep
US-10-425-114-40080

Query Match          30.0%; Score 6; DB 15; Length 196;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      13 LRRYGW 18
DB      88 LRRYGW 93

RESULT 15
US-10-437-963-199236
; Sequence 199236, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 199236
; LENGTH: 202
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(202)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_9481C.1.pep
US-10-437-963-199236

Query Match          30.0%; Score 6; DB 16; Length 202;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 LGWRML 13
DB     178 LGWRML 183

RESULT 16
US-10-437-963-134324
; Sequence 134324, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
```

```
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 134324
; LENGTH: 240
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_36109C.1.pep
US-10-437-963-134324

Query Match      30.0%; Score 6; DB 16; Length 240;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 WRLRLR 15
Db      219 WRLRLR 224

RESULT 17
US-10-437-963-199246
; Sequence 199246, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 199246
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(243)
; OTHER INFORMATION: unsure at all xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_9482C.1.pep
US-10-437-963-199246

Query Match      30.0%; Score 6; DB 16; Length 243;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 LGRWL 13
Db      224 LGRWL 229

RESULT 18
US-09-764-875-621
; Sequence 621, Application US/09764875
; Publication No. US20040018969A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PJ202
```

```
; CURRENT APPLICATION NUMBER: US/09/764,875
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1249
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 621
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (29)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (157)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (205)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (275)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (290)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (293)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-875-621
```

```
Query Match      30.0%; Score 6; DB 11; Length 305;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 WLRRYG 17
Db      216 WLRRYG 221
```

```
RESULT 19
US-10-343-650A-4
; Sequence 4, Application US/10343650A
; Publication No. US20040067499A1
; GENERAL INFORMATION:
; APPLICANT: HAGA, TATSUYA
; TITLE OF INVENTION: NOVEL G-PROTEIN COUPLED RECEPTOR
; FILE REFERENCE: 31671-186347
; CURRENT APPLICATION NUMBER: US/10/343,650A
; CURRENT FILING DATE: 2003-07-21
; PRIOR APPLICATION NUMBER: JP 2000/237818
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: JP 2001/34434
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 694
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 368
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: SITE
US-10-343-650A-4
```

```
Query Match      30.0%; Score 6; DB 15; Length 368;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 WLRRYG 17
Db      86 WLRRYG 91
```

```
RESULT 20
US-10-424-599-160000
; Sequence 160000, Application US/10424599
```

; Publication No. US20040031072A1

; GENERAL INFORMATION:

; APPLICANT: La Rosa Thomas J

; APPLICANT: Kovalic David X

; APPLICANT: Zhou Yihua

; APPLICANT: Cao Yongwei

; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

; FILE REFERENCE: 38-21(53223)B

; CURRENT APPLICATION NUMBER: US/10/424,599

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 285684

; SEQ ID NO 160000

; LENGTH: 369

; TYPE: PRT

; ORGANISM: Glycine max

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (1)..(369)

; OTHER INFORMATION: unsure at all Xaa locations

; FEATURE:

; OTHER INFORMATION: Clone ID: PAT_MRT3847_11549C.1.pep

US-10-424-599-160000

Query Match 30.0%; Score 6; DB 15; Length 369;

Best Local Similarity 100.0%; Pred. No. 2e+02; 0; Indels 0; Gaps 0;

Matches 6; Conservative 0; Mismatches 0;

QY 13 LRRYGW 18

Db 268 LRRYGW 273

RESULT 21

US-10-282-122A-47856

; Publication 47856, Application US/10282122A

; Sequence No. US20040029129A1

; GENERAL INFORMATION:

; APPLICANT: Wang, Liangsu

; APPLICANT: Zamudio, Carlos

; APPLICANT: Malone, Cheryl

; APPLICANT: Haselbeck, Robert

; APPLICANT: Ohlsen, Karl

; APPLICANT: Zyskind, Judith

; APPLICANT: Wall, Daniel

; APPLICANT: Trawick, John

; APPLICANT: Carr, Grant

; APPLICANT: Yamamoto, Robert

; APPLICANT: Forsyth, R.

; APPLICANT: Xu, H.

; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

; FILE REFERENCE: ELITEA 034A

; CURRENT APPLICATION NUMBER: US/10/282,122A

; CURRENT FILING DATE: 2003-02-20

; PRIOR APPLICATION NUMBER: 60/191,078

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23

; PRIOR APPLICATION NUMBER: 60/207,727

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: 60/230,335

; PRIOR FILING DATE: 2000-09-06

; PRIOR APPLICATION NUMBER: 60/230,347

; PRIOR FILING DATE: 2000-09-09

; PRIOR APPLICATION NUMBER: 60/242,578

; PRIOR FILING DATE: 2000-10-23

; PRIOR APPLICATION NUMBER: 60/253,625

; PRIOR FILING DATE: 2000-11-27

; PRIOR APPLICATION NUMBER: 60/257,931

; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: 60/267,636

; PRIOR FILING DATE: 2001-02-09

; PRIOR APPLICATION NUMBER: 60/269,308

; PRIOR FILING DATE: 2001-02-16

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 78614

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 47856

; LENGTH: 396

; TYPE: PRT

; ORGANISM: Burkholderia cepacia

US-10-282-122A-47856

Query Match 30.0%; Score 6; DB 15; Length 396;

Best Local Similarity 100.0%; Pred. No. 2.1e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ALGWRW 12

Db 75 ALGWRW 80

RESULT 22

US-10-156-761-12394

; Sequence 12394, Application US/10156761

; Publication No. US20030119018A1

; GENERAL INFORMATION:

; APPLICANT: OMURA, SATOSHI

; APPLICANT: IKEDA, HARUO

; APPLICANT: ISHIKAWA, JUN

; APPLICANT: HORIKAWA, HIROSHI

; APPLICANT: SHIBA, TADAYOSHI

; APPLICANT: SAKAKI, YOSHIYUKI

; APPLICANT: HATTORI, MASAHIRA

; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

; FILE REFERENCE: 249-262

; CURRENT APPLICATION NUMBER: US/10/156,761

; CURRENT FILING DATE: 2002-05-29

; PRIOR APPLICATION NUMBER: JP 2001-204089

; PRIOR FILING DATE: 2001-05-30

; PRIOR APPLICATION NUMBER: JP 2001-272697

; PRIOR FILING DATE: 2001-08-02

; NUMBER OF SEQ ID NOS: 15109

; SEQ ID NO 12394

; LENGTH: 400

; TYPE: PRT

; ORGANISM: Streptomyces avermitilis

US-10-156-761-12394

Query Match 30.0%; Score 6; DB 14; Length 400;

Best Local Similarity 100.0%; Pred. No. 2.1e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WSLWAL 8

Db 238 WSLWAL 243

RESULT 23

US-10-369-493-4601

; Sequence 4601, Application US/10369493

; Publication No. US20030233675A1

; GENERAL INFORMATION:

; APPLICANT: Cao, Yongwei

; APPLICANT: Hinkle, Gregory J.

; APPLICANT: Slater, Steven C.

; APPLICANT: Goldman, Barry S.

; APPLICANT: Chen, Xianfeng

; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF

; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES

; FILE REFERENCE: 38-10(52052)B

; CURRENT APPLICATION NUMBER: US/10/369,493

; CURRENT FILING DATE: 2003-02-28

; PRIOR APPLICATION NUMBER: US 60/360,039

; PRIOR FILING DATE: 2002-02-21

; NUMBER OF SEQ ID NOS: 47374

```

; SEQ ID NO 4601
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Burkholderia fungorum
US-10-369-493-4601

Query Match      30.0%; Score 6; DB 14; Length 400;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 LGWRWL 13
DB      135 LGWRWL 140

RESULT 24
US-09-815-242-11699
; Sequence 11699, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 1410
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11699
; LENGTH: 409
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-815-242-11699

Query Match      30.0%; Score 6; DB 9; Length 409;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 SLWALG 9
DB      356 SLWALG 361

RESULT 25
US-10-389-647-575
; Sequence 575, Application US/10389647
; Publication No. US2004003549A1
; GENERAL INFORMATION:
; APPLICANT: GREENBERG, E. Peter
; APPLICANT: SCHUSTER, Martin
; APPLICANT: LOSTROH, Gendi
; TITLE OF INVENTION: QUORUM SENSING SIGNALING IN BACTERIA

; FILE REFERENCE: UIZ-038CP
; CURRENT APPLICATION NUMBER: US/10/389,647
; CURRENT FILING DATE: 2003-03-14
; PRIOR APPLICATION NUMBER: 09/653730
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/153022
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 710
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 575
; LENGTH: 426
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-10-389-647-575

Query Match      30.0%; Score 6; DB 15; Length 426;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 SLWALG 9
DB      106 SLWALG 111

RESULT 26
US-10-369-493-7358
; Sequence 7358, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52952)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 7358
; LENGTH: 429
; TYPE: PRT
; ORGANISM: Burkholderia cepacia
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(429)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-7358

Query Match      30.0%; Score 6; DB 14; Length 429;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 LGWRWL 13
DB      164 LGWRWL 169

RESULT 27
US-10-437-963-122938
; Sequence 122938, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad

```


; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 122938
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_25820C.1.pap
US-10-437-963-122938

Query Match 30.0%; Score 6; DB 16; Length 472;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYGW 18
|||||
Db 369 LRRYGW 374

RESULT 28

US-10-329-148A-16
; Sequence 16, Application US/10329148A
; Publication No. US20040023343A1
; GENERAL INFORMATION:
; APPLICANT: Baltz, Richard H
; APPLICANT: Broughton, Mary C
; APPLICANT: Crawford, Kathryn P
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Treadway, Fatti J
; APPLICANT: Turner, Jan R
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
; FILE REFERENCE: 50489 DIV1
; CURRENT APPLICATION NUMBER: US/10/329,148A
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/603,207B
; PRIOR FILING DATE: EARLIER FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/370,700
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-09
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Saccharopolyspora spinosa
US-10-329-148A-16

Query Match 30.0%; Score 6; DB 15; Length 486;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWALG 9
|||||
Db 480 SLWALG 485

RESULT 29

US-10-437-963-122935
; Sequence 122935, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad

; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 122935
; LENGTH: 500
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_25818C.1.pap
US-10-437-963-122935

Query Match 30.0%; Score 6; DB 16; Length 500;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYGW 18
|||||
Db 397 LRRYGW 402

RESULT 30

US-10-006-852-2
; Sequence 2, Application US/10006852
; Publication No. US20030046732A1
; GENERAL INFORMATION:
; APPLICANT: Kinnnersely, Alan M.
; APPLICANT: Turano, Frank J.
; TITLE OF INVENTION: Methods for Regulating Plant GABA Production
; FILE REFERENCE: 7224-65
; CURRENT APPLICATION NUMBER: US/10/006,852
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: US 60/246,367
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-006-852-2

Query Match 30.0%; Score 6; DB 14; Length 502;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYGW 18
|||||
Db 395 LRRYGW 400

RESULT 31

US-09-955-597-3
; Sequence 3, Application US/09955597
; Publication No. US20020042117A1
; GENERAL INFORMATION:
; APPLICANT: ROUVIER, PIERRE E
; APPLICANT: WALTERS, DANA M
; APPLICANT: RAINER, RUSS
; TITLE OF INVENTION: Genes Encoding Picric Acid Degradation
; FILE REFERENCE: BC1022 US NA
; CURRENT APPLICATION NUMBER: US/09/955,597
; CURRENT FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: 60/152,545
; PRIOR FILING DATE: 1999-10-03
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 3
; LENGTH: 532
; TYPE: PRT

```
; ORGANISM: Rhodococcus erythropolis HL PM-1
US-09-955-597-3

Query Match          30.0%; Score 6; DB 9; Length 532;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWALG 9
Db 332 SLWALG 337

RESULT 32
US-10-289-161A-9
; Sequence 9, Application US/10289161A
; Publication No. US20030152970A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Silos-Santiago, Immaculada
; TITLE OF INVENTION: Methods and Compositions to Treat Pain
; FILE REFERENCE: MPI2001-287PIR(M)
; CURRENT APPLICATION NUMBER: US/10/289,161A
; CURRENT FILING DATE: 2003-03-25
; PRIOR APPLICATION NUMBER: US 60/333,073
; PRIOR FILING DATE: 2001-11-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 548
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-289-161A-9

Query Match          30.0%; Score 6; DB 14; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
Db 235 LGWRWL 240

RESULT 33
US-10-308-163-8
; Sequence 8, Application US/10308163
; Publication No. US20040106147A1
; GENERAL INFORMATION:
; APPLICANT: UCB, S.A.
; APPLICANT: LYNCH, Berkley
; APPLICANT: NOCKA, Karl
; APPLICANT: FUKS, Bruno
; TITLE OF INVENTION: Levettiracetam Binding Site
; FILE REFERENCE: 53529-5007
; CURRENT APPLICATION NUMBER: US/10/308,163
; CURRENT FILING DATE: 2002-12-03
; SOFTWARE: PatentIn version 3.1
; NUMBER OF SEQ ID NOS: 16
; SEQ ID NO 8
; LENGTH: 548
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-308-163-8

Query Match          30.0%; Score 6; DB 16; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
Db 235 LGWRWL 240

RESULT 34
US-10-308-163-16
; Sequence 16, Application US/10308163
; Publication No. US20040106147A1
; GENERAL INFORMATION:
; APPLICANT: UCB, S.A.
; APPLICANT: LYNCH, Berkley
; APPLICANT: NOCKA, Karl
; APPLICANT: FUKS, Bruno
; TITLE OF INVENTION: Levettiracetam Binding Site
; FILE REFERENCE: 53529-5007
; CURRENT APPLICATION NUMBER: US/10/308,163
; CURRENT FILING DATE: 2002-12-03
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 548
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-308-163-16

Query Match          30.0%; Score 6; DB 16; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
Db 235 LGWRWL 240

RESULT 35
US-10-725-189-8
; Sequence 8, Application US/10725189
; Publication No. US20040204388A1
; GENERAL INFORMATION:
; APPLICANT: UCB, S.A.
; APPLICANT: LYNCH, Berkley
; APPLICANT: NOCKA, Karl
; APPLICANT: FUKS, Bruno
; TITLE OF INVENTION: Methods for the identification of agents for the treatment of
; TITLE OF INVENTION: seizures, neurological diseases, endocrinopathies and hormonal
; TITLE OF INVENTION: diseases
; FILE REFERENCE: 53529-5007-01-US
; CURRENT APPLICATION NUMBER: US/10/725,189
; CURRENT FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US 60/430,372
; PRIOR FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: US 60/506,764
; PRIOR FILING DATE: 2003-09-30
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 548
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-725-189-8

Query Match          30.0%; Score 6; DB 17; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
Db 235 LGWRWL 240

RESULT 36
US-10-725-189-16
; Sequence 16, Application US/10725189
; Publication No. US20040204388A1
; GENERAL INFORMATION:
; APPLICANT: UCB, S.A.
; APPLICANT: LYNCH, Berkley
```

APPLICANT: NOCKA, Karl
APPLICANT: FUKS, Bruno
TITLE OF INVENTION: Methods for the identification of agents for the treatment of
TITLE OF INVENTION: seizures, neurological diseases, endocrinopathies and hormonal
TITLE OF INVENTION: diseases
FILE REFERENCE: 53529-5007-01-US
CURRENT APPLICATION NUMBER: US/10/725,189
CURRENT FILING DATE: 2003-12-02
PRIORITY APPLICATION NUMBER: US 60/430,372
PRIORITY FILING DATE: 2002-12-03
PRIORITY APPLICATION NUMBER: US 60/506,764
PRIORITY FILING DATE: 2003-09-30
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn version 3.1
SEQ ID NO 16
LENGTH: 548
TYPE: PRT
ORGANISM: Rattus norvegicus
US-10-725-189-16

Query Match 30.0%; Score 6; DB 17; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
|||||
Db 235 LGWRWL 240

RESULT 37
US-10-768-158-24
Sequence 24, Application US/10768158
Publication No. US20040204359A1
GENERAL INFORMATION:
APPLICANT: Millennium Pharmaceuticals, Inc.
APPLICANT: Silos-Santiago, Immaculada
APPLICANT: Karicheti, Venkateswarlu
APPLICANT: Eliasof, Scott D.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
TITLE OF INVENTION: PAIN AND PAINFUL DISORDERS USING 16386, 15402, 21165, 1423,
TITLE OF INVENTION: 636, 12303, 21425, 27410, 38554, 38555, 55063, 57145, 59914,
TITLE OF INVENTION: 94921, 16852, 33260, 58573, 30911, 85913, 14303, 16816,
TITLE OF INVENTION: 17827 OR 32620
FILE REFERENCE: MPI03-012P1RNOMNIM
CURRENT APPLICATION NUMBER: US/10/768,158
CURRENT FILING DATE: 2004-01-30
PRIORITY APPLICATION NUMBER: US 60/444,781
PRIORITY FILING DATE: 2003-02-04
PRIORITY APPLICATION NUMBER: US 60/452,291
PRIORITY FILING DATE: 2003-03-05
PRIORITY APPLICATION NUMBER: US 60/454,540
PRIORITY FILING DATE: 2003-03-13
PRIORITY APPLICATION NUMBER: US 60/478,805
PRIORITY FILING DATE: 2003-06-16
PRIORITY APPLICATION NUMBER: US 60/491,048
PRIORITY FILING DATE: 2003-07-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 24
LENGTH: 548
TYPE: PRT
ORGANISM: Homo Sapiens
US-10-768-158-24

Query Match 30.0%; Score 6; DB 17; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
|||||
Db 235 LGWRWL 240

RESULT 38
US-10-437-963-117634
Sequence 117634, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 117634
LENGTH: 617
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(617)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_21020C.1.pap
US-10-437-963-117634

Query Match 30.0%; Score 6; DB 16; Length 617;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLR 15
|||||
Db 145 WRWLR 150

RESULT 39
US-10-437-963-196644
Sequence 196644, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 196644
LENGTH: 666
TYPE: PRT
ORGANISM: Oryza sativa
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(666)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT4530_92476C.1.pap
US-10-437-963-196644

Query Match 30.0%; Score 6; DB 16; Length 666;
Best Local Similarity 100.0%; Pred. No. 3e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 3 WSLWAL 8
|||||
Db 659 WSLWAL 664

RESULT 40

US-09-738-626-3935
; Sequence 3935, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENO, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 3935
; LENGTH: 755
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-3935

Query Match 30.0%; Score 6; DB 9; Length 755;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 3 WSLWAL 8
|||||
Db 190 WSLWAL 195

RESULT 41

US-09-738-626-6914
; Sequence 6914, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENO, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988

; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 6914
; LENGTH: 1083
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-6914

Query Match 30.0%; Score 6; DB 9; Length 1083;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 4 SLWALG 9
|||||
Db 503 SLWALG 508

RESULT 42

US-09-946-374-102
; Sequence 102, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey J.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2830P1C1
; CURRENT APPLICATION NUMBER: US/09/946,374
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
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7	PRIOR FILING DATE: 1998-09-18
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7	PRIOR FILING DATE: 1998-09-18
7	PRIOR APPLICATION NUMBER: 60/101071
7	PRIOR FILING DATE: 1998-09-18
7	PRIOR APPLICATION NUMBER: 60/101279
7	PRIOR FILING DATE: 1998-09-22
7	PRIOR APPLICATION NUMBER: 60/101471
7	PRIOR FILING DATE: 1998-09-23
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7	PRIOR FILING DATE: 1998-09-23
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7	PRIOR APPLICATION NUMBER: 60/101479
7	PRIOR FILING DATE: 1998-09-23
7	PRIOR APPLICATION NUMBER: 60/101738
7	PRIOR FILING DATE: 1998-09-24
7	PRIOR APPLICATION NUMBER: 60/101741

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5	PRIOR FILING DATE: 1998-09-24	
6	PRIOR APPLICATION NUMBER: 60/101916	
7	PRIOR FILING DATE: 1998-09-24	
8	PRIOR APPLICATION NUMBER: 60/102207	
9	PRIOR FILING DATE: 1998-09-29	
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17	PRIOR FILING DATE: 1998-09-29	
18	PRIOR APPLICATION NUMBER: 60/102484	
19	PRIOR FILING DATE: 1998-09-30	
20	PRIOR APPLICATION NUMBER: 60/102488	
21	PRIOR FILING DATE: 1998-09-30	
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23	PRIOR FILING DATE: 1998-09-30	
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28	PRIOR APPLICATION NUMBER: 60/102687	
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33	PRIOR FILING DATE: 1998-10-06	
34	PRIOR APPLICATION NUMBER: 60/103314	
35	PRIOR FILING DATE: 1998-10-07	
36	PRIOR APPLICATION NUMBER: 60/103315	
37	PRIOR FILING DATE: 1998-10-07	
38	PRIOR APPLICATION NUMBER: 60/103328	
39	PRIOR FILING DATE: 1998-10-07	
40	PRIOR APPLICATION NUMBER: 60/103395	
41	PRIOR FILING DATE: 1998-10-07	
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43	PRIOR FILING DATE: 1998-10-07	
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45	PRIOR FILING DATE: 1998-10-07	
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53	PRIOR FILING DATE: 1998-10-08	
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55	PRIOR FILING DATE: 1998-10-08	
56	PRIOR APPLICATION NUMBER: 60/104257	
57	PRIOR FILING DATE: 1998-10-14	
58	PRIOR APPLICATION NUMBER: 60/104987	
59	PRIOR FILING DATE: 1998-10-20	
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63	PRIOR FILING DATE: 1998-10-20	
64	PRIOR APPLICATION NUMBER: 60/105104	
65	PRIOR FILING DATE: 1998-10-21	
66	PRIOR APPLICATION NUMBER: 60/105169	
67	PRIOR FILING DATE: 1998-10-22	
68	PRIOR APPLICATION NUMBER: 60/105266	
69	PRIOR FILING DATE: 1998-10-22	
70	PRIOR APPLICATION NUMBER: 60/105693	
71	PRIOR FILING DATE: 1998-10-26	
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73	PRIOR FILING DATE: 1998-10-26	

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; PRIOR APPLICATION NUMBER: 60/105807
Query Match      30.0%; Score 6; DB 10; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WRRYRG 17
DB      687 WRRYRG 692

RESULT 43
US-10-052-586-266
; Sequence 266, Application US/10052586
; Publication No. US20020127584A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/052,586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
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; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063734
; PRIOR FILING DATE: 1997-10-29
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; PRIOR FILING DATE: 1997-10-31
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; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
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; PRIOR FILING DATE: 1998-05-15
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; PRIOR FILING DATE: 1998-05-18
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; PRIOR FILING DATE: 1998-05-22
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PRIOR APPLICATION NUMBER: 60/086486
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PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089908

Query Match 30.0%; Score 6; DB 13; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRYYG 17

Db 687 WLRYYG 692
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RESULT 44
US-10-174-590-266
; Sequence 266, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-590-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRYYG 17
|||||
Db 687 WLRYYG 692

RESULT 45
US-10-176-758-266
; Sequence 266, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-758-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WRRYRG 17
|||||
Db 687 WRRYRG 692

RESULT 46

US-10-175-737-266
; Sequence 266, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-266

Query Match 30.0%; Score 6; DB 14; Length 1089;

Best Local Similarity 100.0%; Pred. No. 4.3e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WRRYRG 17
|||||
Db 687 WRRYRG 692

RESULT 47

US-10-174-581-266
; Sequence 266, Application US/10174581
; Publication No. US20030017540A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C41
; CURRENT APPLICATION NUMBER: US/10/174,581
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-581-266

; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
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; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063734
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063870
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/064103
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; PRIOR APPLICATION NUMBER: 60/080107
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; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
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; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22

;
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086023
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086486
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/087098
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087208
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088722
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088740

;
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088811
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088825
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
|||
Db 687 WLRRYG 692

RESULT 48

US-10-176-483-266
; Sequence 266, Application US/10176483
; Publication No. US20030017541A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C68
; CURRENT APPLICATION NUMBER: US/10/176,483
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-483-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
|||

Db 687 WLRYG 692

RESULT 49

US-10-176-749-266

; Sequence 266, Application US/10176749

; Publication No. US20030017542A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C76

; CURRENT APPLICATION NUMBER: US/10/176,749

; CURRENT FILING DATE: 2002-06-20

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 266

; LENGTH: 1089

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-176-749-266

Query Match

Best Local Similarity 30.0%; Score 6; DB 14; Length 1089;

Mismatches 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRYG 17

Db 687 WLRYG 692

RESULT 50

US-10-176-914-266

; Sequence 266, Application US/10176914

; Publication No. US20030017543A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C83

; CURRENT APPLICATION NUMBER: US/10/176,914

; CURRENT FILING DATE: 2002-06-20

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 266

; LENGTH: 1089

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-176-914-266

Query Match

Best Local Similarity 30.0%; Score 6; DB 14; Length 1089;

Mismatches 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRYG 17

Db 687 WLRYG 692

RESULT 51

US-10-176-915-266

; Sequence 266, Application US/10176915

; Publication No. US20030017544A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C110

; CURRENT APPLICATION NUMBER: US/10/176,915

; CURRENT FILING DATE: 2002-06-21

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 266

; LENGTH: 1089

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-176-915-266

Query Match

Best Local Similarity 30.0%; Score 6; DB 14; Length 1089;

Mismatches 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRYG 17

Db 687 WLRYG 692

RESULT 52

US-10-173-706-266

; Sequence 266, Application US/10173706

; Publication No. US20030022293A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C7

; CURRENT APPLICATION NUMBER: US/10/173,706

; CURRENT FILING DATE: 2002-06-17

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 266

; LENGTH: 1089

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-173-706-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
|||
Db 687 WLRRYG 692

RESULT 53

US-10-175-738-266
; Sequence 266, Application US/10175738
; Publication No. US20030022294A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-738-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
|||
Db 687 WLRRYG 692

RESULT 54

US-10-175-752-266
; Sequence 266, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT

; ORGANISM: Homo Sapien
US-10-175-752-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
|||
Db 687 WLRRYG 692

RESULT 55

US-10-176-482-266
; Sequence 266, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
|||
Db 687 WLRRYG 692

RESULT 56

US-10-176-757-266
; Sequence 266, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612

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; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-266

Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
DB      687 WLRRYG 692

RESULT 57
US-10-176-913-266
; Sequence 266, Application US/10176913
; Publication No. US2003002298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C66
; CURRENT APPLICATION NUMBER: US/10/176,913
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-913-266

Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
DB      687 WLRRYG 692

RESULT 58
US-10-180-552-266
; Sequence 266, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C153
; CURRENT APPLICATION NUMBER: US/10/180,552

; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-557-266

Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
DB      687 WLRRYG 692

RESULT 59
US-10-180-557-266
; Sequence 266, Application US/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C147
; CURRENT APPLICATION NUMBER: US/10/180,557
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-557-266

Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
DB      687 WLRRYG 692

RESULT 60
US-10-173-700-266
; Sequence 266, Application US/10173700
; Publication No. US20030027262A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
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; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430RIC14
; CURRENT APPLICATION NUMBER: US/10/173,700
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-700-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
Db      687 WLRRYG 692

RESULT 61
US-10-174-572-266
; Sequence 266, Application US/10174572
; Publication No. US20030027263A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC40
; CURRENT APPLICATION NUMBER: US/10/174,572
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-572-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
Db      687 WLRRYG 692

RESULT 62
US-10-174-579-266
; Sequence 266, Application US/10174579
; Publication No. US20030027264A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
```

```
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC31
; CURRENT APPLICATION NUMBER: US/10/174,579
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-579-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
Db      687 WLRRYG 692

RESULT 63
US-10-174-582-266
; Sequence 266, Application US/10174582
; Publication No. US20030027265A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC36
; CURRENT APPLICATION NUMBER: US/10/174,582
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-582-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
Db      687 WLRRYG 692

RESULT 64
US-10-174-588-266
; Sequence 266, Application US/10174588
; Publication No. US20030027266A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
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; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C28
; CURRENT APPLICATION NUMBER: US/10/174,588
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-588-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 WLRRYG 17
Db      687 WLRRYG 592

RESULT 65
US-10-175-739-266
; Sequence 266, Application US/10175739
; Publication No. US20030027267A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C46
; CURRENT APPLICATION NUMBER: US/10/175,739
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-739-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 WLRRYG 17
Db      687 WLRRYG 592

RESULT 66
US-10-175-740-266
; Sequence 266, Application US/10175740
; Publication No. US20030027268A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc

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; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C61
; CURRENT APPLICATION NUMBER: US/10/175,740
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-740-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 WLRRYG 17
Db      687 WLRRYG 592

RESULT 67
US-10-175-743-266
; Sequence 266, Application US/10175743
; Publication No. US20030027269A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C52
; CURRENT APPLICATION NUMBER: US/10/175,743
; CURRENT FILING DATE: 2002-06-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-743-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 WLRRYG 17
Db      687 WLRRYG 592

RESULT 68
US-10-175-744-266
; Sequence 266, Application US/10175744
; Publication No. US20030027270A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C53
; CURRENT APPLICATION NUMBER: US/10/175,744
; CURRENT FILING DATE: 2002-06-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-744-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 WLRRYG 17
Db      687 WLRRYG 592

RESULT 69
US-10-175-745-266
; Sequence 266, Application US/10175745
; Publication No. US20030027271A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C54
; CURRENT APPLICATION NUMBER: US/10/175,745
; CURRENT FILING DATE: 2002-06-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-745-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 WLRRYG 17
Db      687 WLRRYG 592

RESULT 70
US-10-175-746-266
; Sequence 266, Application US/10175746
; Publication No. US20030027272A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc

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; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
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Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      12 WLRRYG 17
        |||||
Db      687 WLRRYG 692
```

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RESULT 68
US-10-176-488-266
; Sequence 266, Application US/10176488
; Publication No. US20030027271A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C119
; CURRENT APPLICATION NUMBER: US/10/176,488
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-488-266
```

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Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 WLRRYG 17
        |||||
Db      687 WLRRYG 692
```

```
RESULT 69
US-10-176-492-266
; Sequence 266, Application US/10176492
; Publication No. US20030027272A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
```

```
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C107
; CURRENT APPLICATION NUMBER: US/10/176,492
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-492-266
```

```
Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 WLRRYG 17
        |||||
Db      687 WLRRYG 692
```

```
RESULT 70
US-10-176-747-266
; Sequence 266, Application US/10176747
; Publication No. US20030027273A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C92
; CURRENT APPLICATION NUMBER: US/10/176,747
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-747-266
```

```
Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 WLRRYG 17
        |||||
Db      687 WLRRYG 692
```

```
RESULT 71
US-10-176-750-266
; Sequence 266, Application US/10176750
; Publication No. US20030027274A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
```



```
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C103
; CURRENT APPLICATION NUMBER: US/10/176,750
; PRIOR APPLICATION: 2002-06-21
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-750-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
Db      687 WLRRYG 692

RESULT 72
US-10-176-985-266
; Sequence 266, Application US/10176985
; Publication No. US20030027277A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C99
; CURRENT APPLICATION NUMBER: US/10/176,985
; PRIOR APPLICATION: 2002-06-21
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-985-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
Db      687 WLRRYG 692

RESULT 73
US-10-176-987-266
; Sequence 266, Application US/10176987
; Publication No. US20030027278A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
```

```
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C93
; CURRENT APPLICATION NUMBER: US/10/176,987
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-987-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
Db      687 WLRRYG 692

RESULT 74
US-10-176-992-266
; Sequence 266, Application US/10176992
; Publication No. US20030027279A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C100
; CURRENT APPLICATION NUMBER: US/10/176,992
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-992-266

Query Match          30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
Db      687 WLRRYG 692

RESULT 75
US-10-176-993-266
; Sequence 266, Application US/10176993
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; Publication No. US20030027280A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C89
; CURRENT APPLICATION NUMBER: US/10/176,993
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-993-266

Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
Db      687 WLRRYG 692
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Search completed: October 26, 2004, 07:47:54
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 26, 2004, 07:06:01 ; Search time 22.25 Seconds
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Title: US-10-066-965A-1

Perfect score: 20

Sequence: 1 QWLSLWALGWRWLRYYGNM 20

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Searched: 478139 seqs, 66318000 residues

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Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0

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Post-processing: Listing first 100 summaries

Database : Issued Patents AA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	20	100.0	20	3	US-08-504-538A-12
2	20	100.0	20	3	US-08-630-052-12
3	20	100.0	20	5	PCT-US95-09307-12
4	8	40.0	480	4	US-09-252-991A-31470
5	6	30.0	135	4	US-09-270-767-31648
6	6	30.0	135	4	US-09-270-767-46865
7	6	30.0	138	4	US-09-252-991A-32834
8	6	30.0	171	4	US-09-252-991A-26818
9	6	30.0	277	4	US-09-252-991A-17567
10	6	30.0	395	4	US-09-489-039A-7940
11	6	30.0	421	4	US-09-248-796A-20409
12	6	30.0	439	4	US-09-134-000C-5410
13	6	30.0	445	4	US-09-252-991A-17629
14	6	30.0	478	4	US-09-252-991A-22078
15	6	30.0	486	3	US-09-036-987A-16
16	6	30.0	486	3	US-09-370-700-16
17	6	30.0	486	4	US-09-603-207-16
18	6	30.0	493	3	US-09-489-039A-8255
19	6	30.0	532	3	US-09-651-270A-3
20	6	30.0	532	3	US-09-651-941-3
21	6	30.0	532	4	US-09-955-597-3
22	6	30.0	800	4	US-09-252-991A-24635
23	5	25.0	12	4	US-08-988-024C-7
24	5	25.0	19	1	US-07-944-143C-21
25	5	25.0	19	5	PCT-US93-08214-21
26	5	25.0	20	4	US-09-155-613A-6
27	5	25.0	20	4	US-09-498-134A-3

21	1	US-07-944-143C-20	Sequence 20, Appl
21	5	PCT-US93-08214-20	Sequence 20, Appl
24	4	US-09-155-613A-97	Sequence 97, Appl
25	4	US-09-155-613A-1	Sequence 1, Appl
25	4	US-09-155-613A-98	Sequence 98, Appl
32	4	US-09-155-613A-22	Sequence 22, Appl
35	4	US-09-155-613A-23	Sequence 23, Appl
37	4	US-09-461-325-242	Sequence 242, Appl
37	4	US-09-461-325-429	Sequence 429, Appl
37	4	US-10-012-542-242	Sequence 242, Appl
37	4	US-10-012-542-429	Sequence 429, Appl
37	4	US-10-115-123-242	Sequence 242, Appl
37	4	US-10-115-123-429	Sequence 429, Appl
38	1	US-08-179-632-7	Sequence 7, Appl
38	1	US-08-440-174A-7	Sequence 7, Appl
38	5	PCT-US95-00062-7	Sequence 7, Appl
44	4	US-09-107-532A-4928	Sequence 4928, Ap
45	5	PCT-US94-14074-1	Sequence 1, Appl
46	3	US-09-134-001C-3836	Sequence 3836, Ap
47	3	US-09-513-999C-4436	Sequence 4436, Ap
73	4	US-09-252-991A-29973	Sequence 29973, A
76	4	US-09-513-999C-6143	Sequence 6143, A
79	4	US-09-270-767-59078	Sequence 59078, A
81	4	US-09-540-236-2141	Sequence 2141, Ap
82	4	US-09-205-258-403	Sequence 403, Ap
92	4	US-09-673-809-25	Sequence 25, Appl
98	4	US-09-652-345-4	Sequence 4, Appl
98	4	US-09-540-236-2144	Sequence 2144, Ap
119	4	US-09-621-976-5186	Sequence 5186, Ap
129	3	US-08-980-523-11	Sequence 11, Appl
143	4	US-09-270-767-37133	Sequence 37133, A
143	4	US-09-270-767-52350	Sequence 52350, A
144	4	US-09-270-767-32020	Sequence 32020, A
144	4	US-09-270-767-47237	Sequence 47237, A
145	4	US-09-252-991A-28008	Sequence 28008, A
149	4	US-09-311-021-148	Sequence 148, App
158	4	US-09-252-991A-27239	Sequence 27239, A
168	4	US-09-252-991A-20364	Sequence 20364, A
168	4	US-09-252-991A-30988	Sequence 30988, A
169	4	US-09-252-991A-32019	Sequence 32019, A
170	4	US-09-252-991A-18579	Sequence 18579, A
173	4	US-09-252-991A-20339	Sequence 20339, A
176	4	US-09-252-991A-24281	Sequence 24281, A
180	4	US-09-248-796A-17721	Sequence 17721, A
182	1	US-08-127-954-135	Sequence 135, App
182	1	US-08-127-954-137	Sequence 137, App
182	1	US-08-127-954-138	Sequence 138, App
182	1	US-08-127-954-139	Sequence 139, App
182	1	US-08-127-954-140	Sequence 140, App
182	1	US-08-127-954-141	Sequence 141, App
182	1	US-08-127-954-142	Sequence 142, App
182	1	US-08-127-954-143	Sequence 143, App
182	1	US-08-127-954-144	Sequence 144, App
182	1	US-08-127-954-145	Sequence 145, App
182	1	US-08-127-954-146	Sequence 146, App
182	1	US-08-127-954-147	Sequence 147, App
182	1	US-08-127-954-148	Sequence 148, App
182	1	US-08-127-954-149	Sequence 149, App
182	1	US-08-127-954-153	Sequence 153, App
182	1	US-08-127-954-154	Sequence 154, App
182	1	US-08-127-954-155	Sequence 155, App
182	1	US-08-127-954-156	Sequence 156, App
182	1	US-08-127-954-157	Sequence 157, App
182	1	US-08-127-954-158	Sequence 158, App
182	1	US-08-127-954-159	Sequence 159, App
182	1	US-08-127-954-160	Sequence 160, App
182	1	US-08-127-954-161	Sequence 161, App
182	1	US-08-127-954-162	Sequence 162, App
182	1	US-08-127-954-164	Sequence 164, App
182	1	US-08-127-954-165	Sequence 165, App
182	1	US-08-127-954-166	Sequence 166, App
182	1	US-08-127-954-167	Sequence 167, App
182	1	US-08-127-954-168	Sequence 168, App

ALIGNMENTS

RESULT 1
US-08-504-538A-12
; Sequence 12, Application US/08504538A
; Patent No. 6004746
; GENERAL INFORMATION:
; APPLICANT: Brent, Roger
; APPLICANT: McCoy, John M.
; APPLICANT: Jessen, Timm H.
; TITLE OF INVENTION: INTERACTION TRAP SYSTEMS FOR DETECTING
; TITLE OF INVENTION: PROTEIN INTERACTIONS
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Clark & Elbing LLP
; STREET: 176 Federal Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2214
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/504,538A
; FILING DATE: 07/20/95
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/278,082
; FILING DATE: 07/20/94
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00786/259001
; TELEPHONE: (617) 428-0200
; TELEFAX: (617) 428-7045
; TELEX:
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: amino acid
; STRANDEDNESS: linear
; TOPOLOGY:
; US-08-504-538A-12

Query Match 100.0%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4e-14;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVWSLWALGWRWLRRYGNM 20
DB 1 QVWSLWALGWRWLRRYGNM 20

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US-08-630-052-12
; Sequence 12, Application US/08630052
; Patent No. 6399296
; GENERAL INFORMATION:
; APPLICANT: Brent, Roger
; APPLICANT: McCoy, John M.
; APPLICANT: Jessen, Timm H.
; APPLICANT: Xu, Chauxing Wilson
; TITLE OF INVENTION: INTERACTION TRAP SYSTEMS FOR DETECTING PROTEIN
; TITLE OF INVENTION: INTERACTIONS
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/630,052
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/504,538
; FILING DATE: July 20, 1995
; APPLICATION NUMBER: 08/278,082
; FILING DATE: July 20, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Karen F. Lech
; REGISTRATION NUMBER: 35,238
; REFERENCE/DOCKET NUMBER: 00786/311001
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: linear
; US-08-630-052-12

Query Match 100.0%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4e-14;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVWSLWALGWRWLRRYGNM 20
DB 1 QVWSLWALGWRWLRRYGNM 20

RESULT 3
PCT-US95-09307-12
; Sequence 12, Application PC/TUS9509307
; GENERAL INFORMATION:
; APPLICANT: Brent, Roger
; APPLICANT: McCoy, John M.
; APPLICANT: Jessen, Timm H.
; APPLICANT: Xu, Chauxing Wilson
; TITLE OF INVENTION: INTERACTION TRAP SYSTEMS FOR
; TITLE OF INVENTION: DETECTING PROTEIN INTERACTIONS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version
; SOFTWARE: #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/09307
; FILING DATE:
; CLASSIFICATION:

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00786/288001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
PCT-US95-09307-12

Query Match 100.0%; Score 20; DB 5; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4e-14;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVSLWALGWRLLRYGNM 20
Db 1 QVSLWALGWRLLRYGNM 20
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RESULT 4
US-09-252-991A-31470
; Sequence 31470, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 31470
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31470

Query Match 40.0%; Score 8; DB 4; Length 480;
Best Local Similarity 100.0%; Pred. No. 0.54;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LQWRWLRR 15
Db 255 LQWRWLRR 262
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RESULT 5
US-09-270-767-31648
; Sequence 31648, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31648
; LENGTH: 135

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; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-31648

Query Match 30.0%; Score 6; DB 4; Length 135;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLRR 15
Db 24 WRWLRR 29
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RESULT 6
US-09-270-767-46865
; Sequence 46865, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46865
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-46865

Query Match 30.0%; Score 6; DB 4; Length 135;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLRR 15
Db 24 WRWLRR 29
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RESULT 7
US-09-252-991A-32834
; Sequence 32834, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32834
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32834

Query Match 30.0%; Score 6; DB 4; Length 138;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLRR 15
Db 49 WRWLRR 54
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RESULT 8
US-09-252-991A-26818

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; Sequence 26818, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 26818
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-26818

Query Match          30.0%; Score 6; DB 4; Length 171;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 WRWLR 15
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Db       8 WRWLR 13

RESULT 9
US-09-252-991A-17567
; Sequence 17567, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17567
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17567

Query Match          30.0%; Score 6; DB 4; Length 277;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 WRWLR 15
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Db       8 WRWLR 13

RESULT 10
US-09-489-039A-7940
; Sequence 7940, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489.039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR FILING DATE: 1999-01-29
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; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 7940
; LENGTH: 395
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-7940

Query Match          30.0%; Score 6; DB 4; Length 395;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WRRYG 17
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Db       388 WRRYG 393

RESULT 11
US-09-248-796A-20409
; Sequence 20409, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248.796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 20409
; LENGTH: 421
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-20409

Query Match          30.0%; Score 6; DB 4; Length 421;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 ALGWRW 12
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Db       129 ALGWRW 134

RESULT 12
US-09-134-000C-5410
; Sequence 5410, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134.000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 5410
; LENGTH: 439
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-5410

Query Match          30.0%; Score 6; DB 4; Length 439;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 SLWALG 9
```

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Db      193 SLWALG 198
|||||
RESULT 13
US-09-252-991A-17629
; Sequence 17629, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17629
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17629
Query Match      30.0%; Score 6; DB 4; Length 445;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 SLWALG 9
Db      125 SLWALG 130
|||||
RESULT 14
US-09-252-991A-22078
; Sequence 22078, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 22078
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22078
Query Match      30.0%; Score 6; DB 4; Length 478;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 WRWLR 15
Db      443 WRWLR 448
|||||
RESULT 15
US-09-036-987A-16
; Sequence 16, Application US/09036987A
; Patent No. 6143526
; GENERAL INFORMATION:
; APPLICANT: Baltz, Richard H.
; APPLICANT: Broughton, Mary C.
; APPLICANT: Crawford, Kathryn P.
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Treadway, Patti J.
; APPLICANT: Turner, Jan R.
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
; FILE REFERENCE: 50489 DIV1
; CURRENT APPLICATION NUMBER: US/09/370,700
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/36987
; EARLIER FILING DATE: 1998-03-09
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Saccharopolyspora spinosa

```

```

; APPLICANT: Crawford, Kathryn P.
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Merlo, Donald J.
; APPLICANT: Treadway, Patti J.
; APPLICANT: Turner, Jan R.
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dow Agrosciences LLC Patent Department
; STREET: 9330 Zionsville Road
; CITY: Indianapolis
; STATE: Indiana
; COUNTRY: USA
; ZIP: 46268
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/036,987A
; FILING DATE: 09-MAR-1998
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Stuart, Donald R.
; REGISTRATION NUMBER: 28,479
; REFERENCE/DOCKET NUMBER: 50,608
; TELEPHONE: (317)337-4816
; TELEFAX: (317)337-4847
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 486 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-036-987A-16
Query Match      30.0%; Score 6; DB 3; Length 486;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 SLWALG 9
Db      480 SLWALG 485
|||||
RESULT 16
US-09-370-700-16
; Sequence 16, Application US/09370700
; Patent No. 6274350
; GENERAL INFORMATION:
; APPLICANT: Baltz, Richard H.
; APPLICANT: Broughton, Mary C.
; APPLICANT: Crawford, Kathryn P.
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Treadway, Patti J.
; APPLICANT: Turner, Jan R.
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
; FILE REFERENCE: 50489 DIV1
; CURRENT APPLICATION NUMBER: US/09/370,700
; CURRENT FILING DATE: 1999-08-09
; EARLIER APPLICATION NUMBER: US 09/36987
; EARLIER FILING DATE: 1998-03-09
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Saccharopolyspora spinosa

```

US-09-370-700-16

Query Match 30.0%; Score 6; DB 3; Length 486;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWALG 9
|||||
Db 480 SLWALG 485

RESULT 17

US-09-603-207-16
; Sequence 16, Application US/09603207B
; Patent No. 6521406
; GENERAL INFORMATION:
; APPLICANT: Baltz, Richard H
; APPLICANT: Broughton, Mary C
; APPLICANT: Crawford, Kathryn P
; APPLICANT: Madduri, Krishnamurthy
; APPLICANT: Treadway, Patti J
; APPLICANT: Turner, Jan R
; APPLICANT: Waldron, Clive
; TITLE OF INVENTION: Biosynthetic Genes For Spinosyn Insecticide
; FILE REFERENCE: 50489 Div1
; CURRENT APPLICATION NUMBER: US/09/603,207B
; CURRENT FILING DATE: 2000-06-23
; EARLIER APPLICATION NUMBER: 09/370,700
; EARLIER FILING DATE: 1998-03-09
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 16
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Saccharopolyspora spinosa
US-09-603-207-16

Query Match 30.0%; Score 6; DB 4; Length 486;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWALG 9
|||||
Db 480 SLWALG 485

RESULT 18

US-09-489-039A-8255
; Sequence 8255, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 8255
; LENGTH: 493
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-8255

Query Match 30.0%; Score 6; DB 4; Length 493;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWALG 9
|||||
Db 440 SLWALG 445

RESULT 19

US-09-655-270A-3
; Sequence 3, Application US/09655270A
; Patent No. 6329151
; GENERAL INFORMATION:
; APPLICANT: Rouviere, Pierre E.
; TITLE OF INVENTION: High Density Sampling of Differentially Expressed Prokaryotic mRN
; FILE REFERENCE: BC1011 US NA
; CURRENT APPLICATION NUMBER: US/09/655,270A
; CURRENT FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/120,702
; PRIOR FILING DATE: 1999-February-19
; PRIOR APPLICATION NUMBER: 60/152,542
; PRIOR FILING DATE: 1999-September-03
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 3
; LENGTH: 532
; TYPE: PRT
; ORGANISM: Rhodococcus erythropolis HL PM-1
US-09-655-270A-3

Query Match 30.0%; Score 6; DB 3; Length 532;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWALG 9
|||||
Db 332 SLWALG 337

RESULT 20

US-09-651-941-3
; Sequence 3, Application US/09651941
; Patent No. 6355470
; GENERAL INFORMATION:
; APPLICANT: ROUVIER, PIERRE E
; APPLICANT: WALTERS, DANA M
; APPLICANT: RAINER, RUSS
; TITLE OF INVENTION: Genes Encoding Picric Acid Degradation
; FILE REFERENCE: BC1022 US NA
; CURRENT APPLICATION NUMBER: US/09/651,941
; CURRENT FILING DATE: 2000-08-31
; PRIOR APPLICATION NUMBER: 60/152,545
; PRIOR FILING DATE: 1999-10-03
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 3
; LENGTH: 532
; TYPE: PRT
; ORGANISM: Rhodococcus erythropolis HL PM-1
US-09-651-941-3

Query Match 30.0%; Score 6; DB 3; Length 532;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWALG 9
|||||
Db 332 SLWALG 337

RESULT 21

US-09-955-597-3
; Sequence 3, Application US/09955597
; Patent No. 6461856
; GENERAL INFORMATION:
; APPLICANT: ROUVIER, PIERRE E
; APPLICANT: WALTERS, DANA M
; APPLICANT: RAINER, RUSS
; TITLE OF INVENTION: Genes Encoding Picric Acid Degradation

FILE REFERENCE: BC1022 US NA
CURRENT APPLICATION NUMBER: US/09/955,597
CURRENT FILING DATE: 2001-09-17
PRIOR APPLICATION NUMBER: 60/152,545
PRIOR FILING DATE: 1999-10-03
NUMBER OF SEQ ID NOS: 28
SOFTWARE: Microsoft Office 97
SEQ ID NO 3
LENGTH: 532
TYPE: PRT
ORGANISM: Rhodococcus erythropolis HL PM-1
US-09-955-597-3

Query Match 30.0%; Score 6; DB 4; Length 532;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SWALG 9
DB 332 SWALG 337

RESULT 22
US-09-252-991A-24635
Sequence 24635, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 24635
LENGTH: 800
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24635

Query Match 30.0%; Score 6; DB 4; Length 800;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLR 15
DB 487 WRWLR 492

RESULT 23
US-08-988-024C-7
Sequence 7, Application US/08988024C
Patent No. 6635452
GENERAL INFORMATION:
APPLICANT: Monforte, Joseph A.
APPLICANT: Becker, Christopher H.
APPLICANT: Pollart, Daniel J.
APPLICANT: Shaler, Thomas A.
TITLE OF INVENTION: Releaseable No. 6635452volatile Mass-Label Molecules
FILE REFERENCE: 24736-2057
CURRENT APPLICATION NUMBER: US/08/988,024C
CURRENT FILING DATE: 1997-12-10
PRIOR APPLICATION NUMBER: US 60/033,037
PRIOR FILING DATE: 1996-12-10
PRIOR APPLICATION NUMBER: US 60/046,719
PRIOR FILING DATE: 1997-05-16
NUMBER OF SEQ ID NOS: 36
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7

LENGTH: 12
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Oligopeptide
US-08-988-024C-7

Query Match 25.0%; Score 5; DB 4; Length 12;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
DB 5 WLRRY 9

RESULT 24
US-07-944-143C-21
Sequence 21, Application US/07944143C
Patent No. 5719064
GENERAL INFORMATION:
APPLICANT: Scofield, R. Hal
APPLICANT: Harley, John B.
TITLE OF INVENTION: Peptide Diagnostics and Therapeutics for
TITLE OF INVENTION: Spondyloarthropathies
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Patrea L. Pabst
STREET: 2800 One Atlantic Center
STREET: 1201 West Peachtree Street
CITY: Atlanta
STATE: GA
COUNTRY: USA
ZIP: 30309-3450
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/944,143C
FILING DATE:
CLASSIFICATION: 436
ATTORNEY/AGENT INFORMATION:
NAME: Pabst, Patrea L.
REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: OMRFL38
TELEPHONE: (404)873-8794
TELEFAX: (404)873-8795
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-07-944-143C-21

Query Match 25.0%; Score 5; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 54;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
DB 2 WLRRY 6

```
RESULT 25
PCT-US93-08214-21
; Sequence 21, Application PC/TUS9308214
; GENERAL INFORMATION:
; APPLICANT: Oklahoma Medical Research Foundation
; TITLE OF INVENTION: Peptide Diagnostics and Therapeutics for Spondyloarthropat
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kilpatrick & Cody
; STREET: 1100 Peachtree Street, Suite 2800
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: United States
; ZIP: 30309-4530
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/08214
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: OMRF138
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 815-6508
; TELEFAX: (404) 815-6555
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
PCT-US93-08214-21

Query Match 25.0%; Score 5; DB 5; Length 19;
Best Local Similarity 100.0%; Pred. No. 54;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
Db 2 WLRRY 6

RESULT 26
US-09-155-613A-6
; Sequence 6, Application US/09155613A
; Patent No. 6420120
; GENERAL INFORMATION:
; APPLICANT: Boulanger, Pierre
; APPLICANT: Hong, Saw See
; APPLICANT: Karayan, Lucie
; TITLE OF INVENTION: Use of a Polypeptide as Cell Receptor for Adenoviruses
; FILE REFERENCE: 032751-036
; CURRENT APPLICATION NUMBER: US/09/155,613A
; CURRENT FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: PCT/FR98/00184
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: FR 97/01005
; PRIOR FILING DATE: 1997-01-30
; PRIOR APPLICATION NUMBER: FR 97/11166
; PRIOR FILING DATE: 1997-09-09
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO 6
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic peptide MH20
US-09-155-613A-6

Query Match 25.0%; Score 5; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
Db 10 WLRRY 14

RESULT 27
US-09-498-134A-3
; Sequence 3, Application US/09498134A
; Patent No. 6649396
; GENERAL INFORMATION:
; APPLICANT: Curiel, David T.
; APPLICANT: Douglas, Joanne T.
; APPLICANT: Krasnykh, Victor N.
; APPLICANT: Dmitriev, Igor
; TITLE OF INVENTION: Fiber Receptor-Independent System for the
; TITLE OF INVENTION: Propagation of Adenoviral Vectors
; FILE REFERENCE: D6159
; CURRENT APPLICATION NUMBER: US/09/498,134A
; CURRENT FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: US 60/118,880
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 11
; SEQ ID NO 3
; LENGTH: 20
; TYPE: PRT
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: amino acid sequence of the icosapeptide MH20;
; OTHER INFORMATION: the extracellular virus-binding domain of the
; OTHER INFORMATION: second artificial receptor
US-09-498-134A-3

Query Match 25.0%; Score 5; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
Db 10 WLRRY 14

RESULT 28
US-07-944-143C-20
; Sequence 20, Application US/07944143C
; Patent No. 5719064
; GENERAL INFORMATION:
; APPLICANT: Scofield, R. Hal
; APPLICANT: Harley, John B.
; TITLE OF INVENTION: Peptide Diagnostics and Therapeutics for
; TITLE OF INVENTION: Spondyloarthropathies
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; STREET: 1201 West Peachtree Street
; CITY: Atlanta
; STATE: GA
; COUNTRY: USA
; ZIP: 30309-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/944,143C
FILING DATE:
CLASSIFICATION: 436
ATTORNEY/AGENT INFORMATION:
NAME: Pabst, Patrea L.
REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: OMR138
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404)873-8794
TELEFAX: (404)873-8795
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-07-944-143C-20

Query Match 25.0%; Score 5; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
|||
Db 2 WLRRY 6

RESULT 29
PCT-US93-08214-20
; Sequence 20, Application PC/TUS9308214
; GENERAL INFORMATION:
; APPLICANT: Oklahoma Medical Research Foundation
; TITLE OF INVENTION: Peptide Diagnostics and Therapeutics for Spondyloarthropat
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kilpatrick & Cody
; STREET: 1100 Peachtree Street, Suite 2800
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: United States
; ZIP: 30309-4530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/08214
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: OMR138
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 815-6508
; TELEFAX: (404) 815-6555
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear

MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
PCT-US93-08214-20

Query Match 25.0%; Score 5; DB 5; Length 21;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
|||
Db 2 WLRRY 6

RESULT 30
US-09-155-613A-97
; Sequence 97, Application US/091555613A
; Patent No. 6420120
; GENERAL INFORMATION:
; APPLICANT: Boulanger, Pierre
; APPLICANT: Hong, Saw See
; APPLICANT: Karavan, Lucie
; TITLE OF INVENTION: Use of a Polypeptide as Cell Receptor for Adenoviruses
; FILE REFERENCE: 032751-036
; CURRENT APPLICATION NUMBER: US/09/155,613A
; CURRENT FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: PCT/FR98/00184
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: FR 97/01005
; PRIOR FILING DATE: 1997-01-30
; PRIOR APPLICATION NUMBER: FR 97/11166
; PRIOR FILING DATE: 1997-09-09
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 97
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Phagotope
US-09-155-613A-97

Query Match 25.0%; Score 5; DB 4; Length 24;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
|||
Db 11 WLRRY 15

RESULT 31
US-09-155-613A-1
; Sequence 1, Application US/091555613A
; Patent No. 6420120
; GENERAL INFORMATION:
; APPLICANT: Boulanger, Pierre
; APPLICANT: Hong, Saw See
; APPLICANT: Karavan, Lucie
; TITLE OF INVENTION: Use of a Polypeptide as Cell Receptor for Adenoviruses
; FILE REFERENCE: 032751-036
; CURRENT APPLICATION NUMBER: US/09/155,613A
; CURRENT FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: PCT/FR98/00184
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: FR 97/01005
; PRIOR FILING DATE: 1997-01-30
; PRIOR APPLICATION NUMBER: FR 97/11166
; PRIOR FILING DATE: 1997-09-09
; NUMBER OF SEQ ID NOS: 98

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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-155-613A-1

Query Match      25.0%; Score 5; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 WLRY 16
Db 12 WLRY 16

RESULT 32
US-09-155-613A-98
; Sequence 98, Application US/09155613A
; Patent No. 6420120
; GENERAL INFORMATION:
; APPLICANT: Boulanger, Pierre
; APPLICANT: Hong, Saw See
; APPLICANT: Karayan, Lucie
; TITLE OF INVENTION: Use of a Polypeptide as Cell Receptor for Adenoviruses
; CURRENT APPLICATION NUMBER: US/09/155,613A
; CURRENT FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: PCT/FR98/00184
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: FR 97/01005
; PRIOR FILING DATE: 1997-01-30
; PRIOR APPLICATION NUMBER: FR 97/11166
; PRIOR FILING DATE: 1997-09-09
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 98
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Phagotope
US-09-155-613A-98

Query Match      25.0%; Score 5; DB 4; Length 25;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 WLRY 16
Db 12 WLRY 16

RESULT 33
US-09-155-613A-22
; Sequence 22, Application US/09155613A
; Patent No. 6420120
; GENERAL INFORMATION:
; APPLICANT: Boulanger, Pierre
; APPLICANT: Hong, Saw See
; APPLICANT: Karayan, Lucie
; TITLE OF INVENTION: Use of a Polypeptide as Cell Receptor for Adenoviruses
; CURRENT APPLICATION NUMBER: US/09/155,613A
; CURRENT FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: PCT/FR98/00184
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: FR 97/01005
; PRIOR FILING DATE: 1997-01-30
; PRIOR APPLICATION NUMBER: FR 97/11166
; PRIOR FILING DATE: 1997-09-09
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-155-613A-22

Query Match      25.0%; Score 5; DB 4; Length 35;
Best Local Similarity 100.0%; Pred. No. 88;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 WLRY 16
Db 25 WLRY 29

RESULT 34
US-09-155-613A-23
; Sequence 23, Application US/09155613A
; Patent No. 6420120
; GENERAL INFORMATION:
; APPLICANT: Boulanger, Pierre
; APPLICANT: Hong, Saw See
; APPLICANT: Karayan, Lucie
; TITLE OF INVENTION: Use of a Polypeptide as Cell Receptor for Adenoviruses
; CURRENT APPLICATION NUMBER: US/09/155,613A
; CURRENT FILING DATE: 1998-09-30
; PRIOR APPLICATION NUMBER: PCT/FR98/00184
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: FR 97/01005
; PRIOR FILING DATE: 1997-01-30
; PRIOR APPLICATION NUMBER: FR 97/11166
; PRIOR FILING DATE: 1997-09-09
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-155-613A-23

Query Match      25.0%; Score 5; DB 4; Length 35;
Best Local Similarity 100.0%; Pred. No. 88;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 WLRY 16
Db 25 WLRY 29

RESULT 35
US-09-461-325-242
; Sequence 242, Application US/09461325A
; Patent No. 6475753
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: PZ029PI
; CURRENT APPLICATION NUMBER: US/09/461,325A
; CURRENT FILING DATE: 1999-12-14
; EARLIER APPLICATION NUMBER: PCT/US99/13418
; EARLIER FILING DATE: 1999-06-15
; EARLIER APPLICATION NUMBER: 60/089,507
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,508
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,509
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,510
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/090,112
; EARLIER FILING DATE: 1998-06-22
; EARLIER APPLICATION NUMBER: 60/090,113
```

; EARLIER FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 242
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-461-325-242

Query Match 25.0%; Score 5; DB 4; Length 37;
Best Local Similarity 100.0%; Pred. No. 92;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWAL 8
|||
DB 23 SLWAL 27

RESULT 36
US-09-461-325-429
; Sequence 429, Application US/09461325A
; Patent No. 6475753
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: PZ029PI
; CURRENT APPLICATION NUMBER: US/09/461,325A
; CURRENT FILING DATE: 1999-12-14
; EARLIER APPLICATION NUMBER: PCT/US99/13418
; EARLIER FILING DATE: 1999-06-15
; EARLIER APPLICATION NUMBER: 60/089,507
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,508
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,509
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/089,510
; EARLIER FILING DATE: 1998-06-16
; EARLIER APPLICATION NUMBER: 60/090,112
; EARLIER FILING DATE: 1998-06-22
; EARLIER APPLICATION NUMBER: 60/090,113
; EARLIER FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 429
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-461-325-429

Query Match 25.0%; Score 5; DB 4; Length 37;
Best Local Similarity 100.0%; Pred. No. 92;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWAL 8
|||
DB 23 SLWAL 27

RESULT 37
US-10-012-542-242
; Sequence 242, Application US/10012542
; Patent No. 6627741
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: PZ029PI
; CURRENT APPLICATION NUMBER: US/10/012,542
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16

; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,112
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,113
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 242
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-242

Query Match 25.0%; Score 5; DB 4; Length 37;
Best Local Similarity 100.0%; Pred. No. 92;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWAL 8
|||
DB 23 SLWAL 27

RESULT 38
US-10-012-542-429
; Sequence 429, Application US/10012542
; Patent No. 6627741
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 94 Human Secreted Proteins
; FILE REFERENCE: PZ029PI
; CURRENT APPLICATION NUMBER: US/10/012,542
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/461,325
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-12-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,507
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,508
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,509
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/089,510
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,112
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 60/090,113
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 532
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 429
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-012-542-429

Query Match 25.0%; Score 5; DB 4; Length 37;
Best Local Similarity 100.0%; Pred. No. 92;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWAL 8
|||
DB 23 SLWAL 27

RESULT 39
US-10-115-123-242
; Sequence 242, Application US/10115123
; Patent No. 6774216
; GENERAL INFORMATION:

APPLICANT: Ruben et al.
TITLE OF INVENTION: 94 Human Secreted Proteins
CURRENT APPLICATION NUMBER: PCT/US99/13412
CURRENT FILING DATE: 2002-04-04
PRIOR APPLICATION NUMBER: US/10/115,123
PRIOR FILING DATE: 1998-06-15
PRIOR APPLICATION NUMBER: 60/089,507
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089,508
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089,509
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089,510
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/090,112
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090,113
PRIOR FILING DATE: 1998-06-22
NUMBER OF SEQ ID NOS: 532
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 242
LENGTH: 37
TYPE: PRT
ORGANISM: Homo sapiens
US-10-115-123-242

Query Match 25.0%; Score 5; DB 4; Length 37;
Best Local Similarity 100.0%; Pred. No. 92;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SIWAL 8
|||||
Db 23 SIWAL 27

RESULT 40
US-10-115-123-429
Sequence 429, Application US/10115123
Patent No. 6774216
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: 94 Human Secreted Proteins
CURRENT APPLICATION NUMBER: US/10/115,123
CURRENT FILING DATE: 2002-04-04
PRIOR APPLICATION NUMBER: PCT/US99/13418
PRIOR FILING DATE: 1998-06-15
PRIOR APPLICATION NUMBER: 60/089,507
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089,508
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089,509
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/089,510
PRIOR FILING DATE: 1998-06-16
PRIOR APPLICATION NUMBER: 60/090,112
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: 60/090,113
PRIOR FILING DATE: 1998-06-22
NUMBER OF SEQ ID NOS: 532
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 429
LENGTH: 37
TYPE: PRT
ORGANISM: Homo sapiens
US-10-115-123-429

Query Match 25.0%; Score 5; DB 4; Length 37;
Best Local Similarity 100.0%; Pred. No. 92;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SIWAL 8

Db 23 SIWAL 27
|||||

RESULT 41
US-08-179-632-7
Sequence 7, Application US/08179632
Patent No. 5607914
GENERAL INFORMATION:
APPLICANT: Rao, A. Gururaj; Zhong, Lingxiu
TITLE OF INVENTION: SYNTHETIC ANTIMICROBIAL PEPTIDES
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pioneer Hi-Bred International, Inc.
STREET: 700 Capital Square, 400 Locust Street
CITY: Des Moines
STATE: Iowa
COUNTRY: United States
ZIP: 50309
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS/Microsoft Windows
SOFTWARE: Microsoft Windows No. 5607914epad
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/179,632
FILING DATE: 07-JAN-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/079,512
FILING DATE: 06/18/93
ATTORNEY/AGENT INFORMATION:
NAME: Roth, Michael J.
REGISTRATION NUMBER: 29,342
REFERENCE/DOCKET NUMBER: 0233 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (515) 245-3594
TELEFAX: (515) 245-3634
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 38 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
DESCRIPTION: hordothionin derivative
US-08-179-632-7

Query Match 25.0%; Score 5; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLR 15
|||||
Db 8 RWLR 12

RESULT 42
US-08-440-174A-7
Sequence 7, Application US/08440174A
Patent No. 5717061
GENERAL INFORMATION:
APPLICANT: Rao, Gururaj A.
APPLICANT: Zhong, Lingxiu
TITLE OF INVENTION: SYNTHETIC ANTIMICROBIAL PEPTIDES
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: PIONEER HI-BRED INTERNATIONAL, INC.
STREET: 7100 N.W. 62nd Avenue
CITY: Johnston
STATE: Iowa
COUNTRY: USA
ZIP: 50131

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/440,174A
; FILING DATE: 12-MAY-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/079,512
; FILING DATE: 18-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Bobrowicz, Donna
; REGISTRATION NUMBER: 32,196
; REFERENCE/DOCKET NUMBER: 0234R2D-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (515) 248-4896
; TELEFAX: (515) 334-6883
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 38 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-440-174A-7

Query Match          25.0%; Score 5; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 RWLRR 15
Db       8 RWLRR 12

RESULT 43
PCT-US95-00062-7
; Sequence 7, Application PC/TUS9500062
; GENERAL INFORMATION:
; APPLICANT: Pioneer Hi-Bred International, Inc.
; TITLE OF INVENTION: SYNTHETIC ANTIMICROBIAL PEPTIDES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pioneer Hi-Bred International, Inc.
; STREET: 700 Capital Square, 400 Locust Street
; CITY: Des Moines
; STATE: Iowa
; COUNTRY: United States
; ZIP: 50309
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS/Microsoft Windows
; SOFTWARE: Microsoft Windows Notepad
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/00062
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Yates, Michael E.; Sweeney, Patricia A.;
; NAME: Roth, Michael J.; & Simon, Soma G.
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 234R2-PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (515) 248-4800
; TELEFAX: (515) 248-4844
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:

```

```

; LENGTH: 38 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; DESCRIPTION: hordothionin derivative
; PCT-US95-00062-7

Query Match          25.0%; Score 5; DB 5; Length 38;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 RWLRR 15
Db       8 RWLRR 12

RESULT 44
US-09-107-532A-4928
; Sequence 4928, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4928:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 60 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (B) LOCATION 1...60
; SEQUENCE DESCRIPTION: SEQ ID NO: 4928:
US-09-107-532A-4928

Query Match          25.0%; Score 5; DB 4; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      15 RYGMN 19

```

Db 55 RYGNW 59
|||||

RESULT 45

PCT-US94-14074-1
; Sequence 1, Application PC/TUS9414074
; GENERAL INFORMATION:
; APPLICANT: Maksymowich, Andrew B
; APPLICANT: Hsu, Tin-Chen
; APPLICANT: Jameson, Bradford A
; APPLICANT: Litwack, Gerald
; TITLE OF INVENTION: Biologically Active Compounds
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris
; STREET: One liberty Place 46th Floor
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: United States of America
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/14074
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/164,102
; FILING DATE: 07-DEC-1993
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: DeLuca, Mark
; REGISTRATION NUMBER: 33,229
; REFERENCE/DOCKET NUMBER: TJU-1418
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 60 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US94-14074-1

Query Match 25.0%; Score 5; DB 5; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ALGWR 11
|||||
Db 55 ALGWR 59

RESULT 46

US-09-134-001C-3836
; Sequence 3836, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14

; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3836
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3836

Query Match 25.0%; Score 5; DB 3; Length 61;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLR 15
|||||
Db 38 RWLR 42

RESULT 47

US-09-513-999C-4436
; Sequence 4436, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 4436
; LENGTH: 62
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -25...-1
; OTHER INFORMATION: score 4
; OTHER INFORMATION: seq LLQELGLCMCLLS/AE
US-09-513-999C-4436

Query Match 25.0%; Score 5; DB 4; Length 62;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 RWLR 14
|||||
Db 33 RWLR 37

RESULT 48

US-09-252-991A-29973
; Sequence 29973, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 29973
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-29973

Query Match 25.0%; Score 5; DB 4; Length 73;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLR 15
Db 10 RWLR 14

RESULT 49

US-09-513-999C-6143
; Sequence 6143, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 6143
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-513-999C-6143

Query Match 25.0%; Score 5; DB 4; Length 76;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLR 15
Db 16 RWLR 20

RESULT 50

US-09-270-767-59078
; Sequence 59078, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59078
; LENGTH: 79
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-59078

Query Match 25.0%; Score 5; DB 4; Length 79;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRY 17
Db 38 LRRY 42

RESULT 51

US-09-540-236-2141
; Sequence 2141, Application US/09540236

; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATARRH
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 2141
; LENGTH: 81
; TYPE: PRT
; ORGANISM: M.catarrhalis
US-09-540-236-2141

Query Match 25.0%; Score 5; DB 4; Length 81;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWAL 8
Db 53 SLWAL 57

RESULT 52

US-09-205-258-403
; Sequence 403, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,881
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,020
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,876
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,895
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,884
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,894
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,971
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,882
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,899
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,893
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,900
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,901
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,892
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,915

Tue Oct 26 08:02:11 2004

EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/049,019
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,970
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,972
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,916
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/049,373
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,875
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/049,374
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,917
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,949
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,883
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,897
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,898
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,962
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,963
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,877
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,878
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/070,923
EARLIER FILING DATE: 1997-12-18
EARLIER APPLICATION NUMBER: 60/092,921
EARLIER FILING DATE: 1998-07-15
EARLIER APPLICATION NUMBER: 60/094,657
EARLIER FILING DATE: 1998-07-30
NUMBER OF SEQ ID NOS: 1227
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 403
LENGTH: 82
TYPE: PRT
FEATURE:
NAME/KEY: SITE
LOCATION: (15)
OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids
US-09-205-258-403

Query Match 25.0%; Score 5; DB 4; Length 82;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ALGWR 11
Db 50 ALGWR 54

RESULT 53
US-09-673-809-25
Sequence 25, Application US/09673809
Patent No. 6528261
GENERAL INFORMATION:
APPLICANT: INNOGENETICS N.V.
TITLE OF INVENTION: Method for typing of HLA alleles.
FILE REFERENCE: PCT/99.86.HLA
CURRENT APPLICATION NUMBER: US/09/673,809
CURRENT FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 98870088.6

PRIOR FILING DATE: 1998-04-20
NUMBER OF SEQ ID NOS: 107
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 25
LENGTH: 92
TYPE: PRT
ORGANISM: Homo sapiens
US-09-673-809-25

Query Match 25.0%; Score 5; DB 4; Length 92;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
Db 77 WLRRY 81

RESULT 54
US-09-652-345-4
Sequence 4, Application US/09652345
Patent No. 6623933
GENERAL INFORMATION:
APPLICANT: Farb, David H
APPLICANT: Russek, Shelley
APPLICANT: Jang, Ming-Kuei
APPLICANT: Gibbs, Terrell
TITLE OF INVENTION: EFFECT OF STEROIDS ON NMDA RECEPTORS DEPENDS ON SUBUNIT
TITLE OF INVENTION: COMPOSITION
FILE REFERENCE: 0146-2026
CURRENT APPLICATION NUMBER: US/09/652,345
CURRENT FILING DATE: 2001-09-04
PRIOR APPLICATION NUMBER: 60/151,802
PRIOR FILING DATE: 1999-08-31
PRIOR APPLICATION NUMBER: 09/378,547
PRIOR FILING DATE: 1999-08-20
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 98
TYPE: PRT
ORGANISM: Homo sapiens
US-09-652-345-4

Query Match 25.0%; Score 5; DB 4; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ALGWR 11
Db 75 ALGWR 79

RESULT 55
US-09-540-236-2144
Sequence 2144, Application US/09540236
Patent No. 6673910
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATARRHALIS
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 2709.2005-001
CURRENT APPLICATION NUMBER: US/09/540,236
CURRENT FILING DATE: 2000-04-04
NUMBER OF SEQ ID NOS: 3840
SEQ ID NO 2144
LENGTH: 98
TYPE: PRT
ORGANISM: M.catarrhalis
US-09-540-236-2144

Query Match 25.0%; Score 5; DB 4; Length 98;
Best Local Similarity 100.0%; Pred. No. 2e+02;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 WALGW 10
|||||
Db 11 WALGW 15

RESULT 56

US-09-621-976-5186
; Sequence 5186, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENST.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 5186
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-621-976-5186

Query Match 25.0%; Score 5; DB 4; Length 119;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYG 17
|||||
Db 17 LRRYG 21

RESULT 57

US-08-980-523-11
; Sequence 11, Application US/08980523
; Patent No. 6310181
; GENERAL INFORMATION:
; APPLICANT: Kouhara, Haruhiko
; APPLICANT: Spivak-Kroizman, Taly
; APPLICANT: Lax, Irit
; APPLICANT: Schlesinger, Joseph
; TITLE OF INVENTION: ADAPTOR PROTEIN PRS2 AND
; TITLE OF INVENTION: RELATED PRODUCTS AND METHODS
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: Storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/980,523
; FILING DATE: December 1, 1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US97/21851
; FILING DATE: December 1, 1997
; APPLICATION NUMBER: 60/032,093
; FILING DATE: December 3, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.

; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 230/045
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 129 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-980-523-11

Query Match 25.0%; Score 5; DB 3; Length 129;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYG 17
|||||
Db 52 LRRYG 56

RESULT 58

US-09-270-767-37133
; Sequence 37133, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 37133
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-37133

Query Match 25.0%; Score 5; DB 4; Length 143;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 RYGNW 19
|||||
Db 49 RYGNW 53

RESULT 59

US-09-270-767-52350
; Sequence 52350, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 52350
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-52350

Query Match 25.0%; Score 5; DB 4; Length 143;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 RYGN 19
| | | | |
Db 49 RYGN 53

RESULT 60
US-09-270-767-32020
; Sequence 32020, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32020
; LENGTH: 144
; TYPE: PRT
; ORGANISM: *Drosophila melanogaster*
US-09-270-767-32020

Query Match 25.0%; Score 5; DB 4; Length 144;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLR 15
| | | | |
Db 62 RWLR 66

RESULT 61
US-09-270-767-47237
; Sequence 47237, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of *Drosophila melanogaster*
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47237
; LENGTH: 144
; TYPE: PRT
; ORGANISM: *Drosophila melanogaster*
US-09-270-767-47237

Query Match 25.0%; Score 5; DB 4; Length 144;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLR 15
| | | | |
Db 62 RWLR 66

RESULT 62
US-09-252-991A-28008
; Sequence 28008, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-02-18
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27239
; LENGTH: 158
; TYPE: PRT
; ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-27239

Query Match 25.0%; Score 5; DB 4; Length 158;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28008
; LENGTH: 145
; TYPE: PRT
; ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-28008

Query Match 25.0%; Score 5; DB 4; Length 145;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 LWALG 9
| | | | |
Db 130 LWALG 134

RESULT 63
US-09-311-021-148
; Sequence 148, Application US/09311021
; Patent No. 6706869
; GENERAL INFORMATION:
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Agostino, Michael J.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6300-11A
; CURRENT APPLICATION NUMBER: US/09/311,021
; CURRENT FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 148
; LENGTH: 149
; TYPE: PRT
; ORGANISM: *Homo sapiens*
US-09-311-021-148

Query Match 25.0%; Score 5; DB 4; Length 149;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SLWAL 8
| | | | |
Db 135 SLWAL 139

RESULT 64
US-09-252-991A-27239
; Sequence 27239, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27239
; LENGTH: 158
; TYPE: PRT
; ORGANISM: *Pseudomonas aeruginosa*
US-09-252-991A-27239

Query Match 25.0%; Score 5; DB 4; Length 158;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY      11 RWLRR 15
      |||||
Db      21 RWLRR 25

RESULT 65
US-09-252-991A-20364
; Sequence 20364, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 20364
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20364

Query Match      25.0%; Score 5; DB 4; Length 168;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 WRWLR 14
      |||||
Db      90 WRWLR 94

RESULT 66
US-09-252-991A-30988
; Sequence 30988, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30988
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30988

Query Match      25.0%; Score 5; DB 4; Length 168;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 WRWLR 14
      |||||
Db      43 WRWLR 47

RESULT 67
US-09-252-991A-32019
; Sequence 32019, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32019
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-32019

Query Match      25.0%; Score 5; DB 4; Length 169;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      14 RRYGW 18
      |||||
Db      88 RRYGW 92

RESULT 68
US-09-252-991A-18579
; Sequence 18579, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 18579
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-18579

Query Match      25.0%; Score 5; DB 4; Length 170;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 RWLRR 15
      |||||
Db      105 RWLRR 109

RESULT 69
US-09-252-991A-20339
; Sequence 20339, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 20339
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20339

Query Match      25.0%; Score 5; DB 4; Length 170;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 RWLRR 15
      |||||
Db      105 RWLRR 109

```

; SEQ ID NO 20339
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-20339

Query Match 25.0%; Score 5; DB 4; Length 173;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLRR 15
Db 24 RWLRR 28
|||||

RESULT 70

US-09-252-991A-24281
; Sequence 24281, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24281
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24281

Query Match 25.0%; Score 5; DB 4; Length 176;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLRR 15
Db 141 RWLRR 145
|||||

RESULT 71

US-09-248-796A-17721
; Sequence 17721, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 17721
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-17721

Query Match 25.0%; Score 5; DB 4; Length 180;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYG 17

Db 147 LRRYG 151
|||||

RESULT 72

US-08-127-954-135
; Sequence 135, Application US/08127954
; Patent No. 5451512
; GENERAL INFORMATION:
; APPLICANT: Apple, Raymond J.
; APPLICANT: Bugawan, Teodorica L.
; APPLICANT: Erlich, Henry A.
; TITLE OF INVENTION: Methods and Reagents for HLA Class I A
; TITLE OF INVENTION: Locus DNA Typing
; NUMBER OF SEQUENCES: 173
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/127,954
; FILING DATE:
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: Petty, Douglas A.
; REGISTRATION NUMBER: 35,321
; REFERENCE/DOCKET NUMBER: 8873
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2974
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 135:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 182 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-127-954-135

Query Match 25.0%; Score 5; DB 1; Length 182;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
Db 167 WLRRY 171
|||||

RESULT 73

US-08-127-954-137
; Sequence 137, Application US/08127954
; Patent No. 5451512
; GENERAL INFORMATION:
; APPLICANT: Apple, Raymond J.
; APPLICANT: Bugawan, Teodorica L.
; APPLICANT: Erlich, Henry A.
; TITLE OF INVENTION: Methods and Reagents for HLA Class I A
; TITLE OF INVENTION: Locus DNA Typing
; NUMBER OF SEQUENCES: 173
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.

```
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/127,954
; FILING DATE:
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: Petry, Douglas A.
; REGISTRATION NUMBER: 35,321
; REFERENCE/DOCKET NUMBER: 8873
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2974
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 137:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 182 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-127-954-137

Query Match          25.0%; Score 5; DB 1; Length 182;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRY 16
DB      167 WLRRY 171

RESULT 74
US-08-127-954-138
; Sequence 138, Application US/08127954
; Patent No. 5451512
; GENERAL INFORMATION:
; APPLICANT: Apple, Raymond J.
; APPLICANT: Bugawan, Teodorica L.
; APPLICANT: Erlich, Henry A.
; TITLE OF INVENTION: Methods and Reagents for HLA Class I A
; TITLE OF INVENTION: Locus DNA Typing
; NUMBER OF SEQUENCES: 173
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/127,954
; FILING DATE:
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: Petry, Douglas A.
; REGISTRATION NUMBER: 35,321
; REFERENCE/DOCKET NUMBER: 8873
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2974
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 138:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 182 amino acids
; TYPE: amino acid
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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-127-954-138

Query Match          25.0%; Score 5; DB 1; Length 182;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRY 16
DB      167 WLRRY 171

RESULT 75
US-08-127-954-139
; Sequence 139, Application US/08127954
; Patent No. 5451512
; GENERAL INFORMATION:
; APPLICANT: Apple, Raymond J.
; APPLICANT: Bugawan, Teodorica L.
; APPLICANT: Erlich, Henry A.
; TITLE OF INVENTION: Methods and Reagents for HLA Class I A
; TITLE OF INVENTION: Locus DNA Typing
; NUMBER OF SEQUENCES: 173
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/127,954
; FILING DATE:
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: Petry, Douglas A.
; REGISTRATION NUMBER: 35,321
; REFERENCE/DOCKET NUMBER: 8873
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2974
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 139:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 182 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-127-954-139

Query Match          25.0%; Score 5; DB 1; Length 182;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRY 16
DB      167 WLRRY 171

Search completed: October 26, 2004, 07:25:04
Job time : 24.25 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 26, 2004, 07:05:46 ; Search time 16.5 Seconds

(without alignments)
116.626 Million cell updates/sec

Title: US-10-066-965A-2

Perfect score: 20

Sequence: 1 QVSSWALGMRWLRRYGWM 20

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 283416 seqs, 96216763 residues

Word size : 0

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Database :

PIR 79:*

1: pir1:*

2: pir2:*

3: pir3:*

4: pir4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	8	40.0	237	2 C83311	hypothetical prote
2	6	30.0	123	2 I48192	surface antigen -
3	6	30.0	142	2 I48552	orf US426 - infect
4	6	30.0	174	2 T46382	hypothetical prote
5	6	30.0	207	2 C69780	hypothetical prote
6	6	30.0	226	1 JQ1579	major surface anti
7	6	30.0	226	1 JQ1580	surface antigen -
8	6	30.0	226	2 JQ2119	small surface prot
9	6	30.0	226	2 JQ2225	surface antigen -
10	6	30.0	226	2 JQ2122	surface antigen -
11	6	30.0	226	2 JQ2121	surface antigen -
12	6	30.0	226	2 JQ2120	surface antigen -
13	6	30.0	266	2 D83210	hypothetical prote
14	6	30.0	281	2 JQ2226	middle surface pro
15	6	30.0	282	1 SAVL64	middle surface ant
16	6	30.0	331	2 A83377	conserved hypotet
17	6	30.0	361	2 JN0530	thioesterase homol
18	6	30.0	379	2 S67856	GumG protein - Xan
19	6	30.0	400	2 JQ2230	large surface prot
20	6	30.0	411	2 F87644	transcription regu
21	6	30.0	426	1 SAVL6	large surface anti
22	6	30.0	428	1 SAVL5	large surface anti
23	6	30.0	431	1 SAVL7	large surface anti
24	6	30.0	431	1 SAVL17	large surface anti
25	6	30.0	431	1 SAVL2	large surface anti
26	6	30.0	431	1 SAVLW8	large surface anti
27	6	30.0	495	2 S55273	amine oxidase (fla
28	6	30.0	571	2 C84356	hypothetical prote
29	6	30.0	636	2 S76730	hypothetical prote

30	6	30.0	821	2 T34232	hypothetical prote
31	6	30.0	880	2 T02245	hypothetical prote
32	6	30.0	1758	2 R88559	protein C48B4.4b [
33	6	30.0	1767	2 S60124	transport protein
34	5	25.0	23	2 PH1692	Ig heavy chain V r
35	5	25.0	60	1 QXBP7L	hypothetical prote
36	5	25.0	65	2 D83827	Na+/H+ antiporter
37	5	25.0	75	2 A72733	hypothetical prote
38	5	25.0	84	2 S72700	probable ketoacyl
39	5	25.0	89	2 I56009	MHC HLA-A2-alpha-2
40	5	25.0	91	2 I58989	MHC H2-K transpla
41	5	25.0	91	2 I57611	MHC K-bm6 transpla
42	5	25.0	91	2 I59068	MHC class I H2-K-b
43	5	25.0	98	2 JQ0906	bombyxin A-3 homol
44	5	25.0	99	2 JQ0902	bombyxin A-1 homol
45	5	25.0	113	2 H89992	hypothetical prote
46	5	25.0	114	2 G97084	probable flavoprot
47	5	25.0	116	2 H75591	hypothetical prote
48	5	25.0	116	2 H72489	hypothetical prote
49	5	25.0	117	2 G72087	hypothetical prote
50	5	25.0	117	2 B86535	hypothetical prote
51	5	25.0	118	2 D97046	hypothetical prote
52	5	25.0	122	2 T05357	ubiquinol-cytochro
53	5	25.0	133	1 F45345	trans-regulatory s
54	5	25.0	133	1 VKLJCE	conserved hypotet
55	5	25.0	133	2 AI0999	hypothetical prote
56	5	25.0	133	2 F84190	hypothetical prote
57	5	25.0	135	2 C72539	class I histocompa
58	5	25.0	137	2 I80172	class I histocompa
59	5	25.0	137	2 I80175	class I histocompa
60	5	25.0	137	2 I80173	class I histocompa
61	5	25.0	137	2 I80176	class I histocompa
62	5	25.0	137	2 I80174	class I histocompa
63	5	25.0	137	2 I38875	MHC class I antige
64	5	25.0	137	2 I38860	MHC class I antige
65	5	25.0	137	2 I38874	MHC class I antige
66	5	25.0	137	2 I38876	MHC class I antige
67	5	25.0	138	2 AI1156	hypothetical prote
68	5	25.0	140	2 T39107	hypothetical prote
69	5	25.0	143	2 S23801	pathogenesis-relat
70	5	25.0	149	2 AE0812	conserved hypotet
71	5	25.0	152	2 T44544	conserved hypotet
72	5	25.0	152	2 F69509	hypothetical prote
73	5	25.0	154	2 B83274	phosphotyrosine pr
74	5	25.0	156	2 AG0754	patch repair prote
75	5	25.0	157	2 E84008	hypothetical prote
76	5	25.0	157	2 E83481	hypothetical prote
77	5	25.0	163	2 B39384	finger protein HPF
78	5	25.0	166	2 I69004	histocompatibility
79	5	25.0	166	2 I69006	histocompatibility
80	5	25.0	173	2 G86824	hypothetical prote
81	5	25.0	178	2 T08444	hypothetical prote
82	5	25.0	179	2 I54462	MHC RT21 protein -
83	5	25.0	180	2 D45831	MHC class I histoc
84	5	25.0	181	2 I79640	MHC cell surface a
85	5	25.0	181	2 I59188	MHC cell surface g
86	5	25.0	181	2 C75381	hypothetical prote
87	5	25.0	181	2 E83342	hypothetical prote
88	5	25.0	182	2 A49411	human leukocyte an
89	5	25.0	182	2 H69026	ribosomal protein
90	5	25.0	192	2 S70779	asparagine-tRNA li
91	5	25.0	196	2 AC3300	probable membrane-
92	5	25.0	198	2 S21388	type 1 keratin 48k
93	5	25.0	202	2 T44729	hypothetical prote
94	5	25.0	204	2 AB1438	Staphylococcus two
95	5	25.0	204	2 AI1080	Staphylococcus two
96	5	25.0	206	2 I37529	HLA-Cw7 - human (f
97	5	25.0	206	2 I37528	HLA-Cw1 - human (f
98	5	25.0	206	2 S76147	hypothetical prote
99	5	25.0	212	2 AH3001	conserved hypotet
100	5	25.0	214	2 AH3416	hypothetical prote

ALIGNMENTS

RESULT 1
 C83311
 hypothetical protein PA2661 [imported] - Pseudomonas aeruginosa (strain PA01)
 C:Species: Pseudomonas aeruginosa
 C>Date: 15-Sep-2000 #sequence_revision 15-Sep-2000 #text_change 09-Jul-2004
 C:Accession: C83311
 R:Stover, C.K.; Pham, X.Q.; Erwin, A.L.; Mizoguchi, S.D.; Warriner, P.; Hickey, M.J.; Berman, S.; Yuan, Y.; Brody, L.L.; Coulter, S.N.; Folger, K.R.; Kas, A.; Larbig, K.; Lim, J.; Lory, S.; Olson, M.V.
 Nature 406, 959-964, 2000
 A:Title: Complete genome sequence of Pseudomonas aeruginosa PA01, an opportunistic pathogen
 A:Reference number: AB2950; MUID:20437337; PMID:10984043
 A:Accession: C83311
 A>Status: preliminary
 A:Molecule type: DNA
 A:Residues: 1-297 <STO>
 A:Cross-references: UNIPROT:Q910H7; GB:AE004695; GB:AE004091; NID:g9948730; PIDN:AAG0604
 A:Experimental source: strain PA01
 C:Genetics:
 A:Gene: PA2661

Query Match 40.0%; Score 8; DB 2; Length 297;
 Best Local Similarity 100.0%; Pred. No. 0.13; Mismatches 0; Indels 0; Gaps 0;
 Matches 8; Conservative 0

QY 8 LGWRWLR 15
 |||||

DB 72 LGWRWLR 79

RESULT 2

I48192
 surface antigen - woodchuck (fragment)
 C:Species: Marmota monax (woodchuck)
 C>Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004
 C:Accession: I48192
 R:Yamazoe, M.; Nakai, S.; Ogasawara, N.; Yoshikawa, H.
 Gene 100, 139-146, 1991
 A:Title: Integration of woodchuck hepatitis virus (whv) DNA at two chromosomal sites (v-
 A:Reference number: I48190; MUID:91276235; PMID:2055466
 A:Accession: I48192
 A>Status: preliminary; translated from GB/EMBL/DDBJ
 A:Molecule type: DNA
 A:Residues: 1-123 <RES>
 A:Cross-references: UNIPROT:Q90137; GB:M60766; NID:g191471; PIDN:AAA37108.1; PID:g191472
 C:Superfamily: hepatitis B virus surface antigen
 C:Keywords: surface antigen

Query Match 30.0%; Score 6; DB 2; Length 123;
 Best Local Similarity 100.0%; Pred. No. 10; Mismatches 0; Indels 0; Gaps 0;
 Matches 6; Conservative 0

QY 4 SSWALG 9
 |||||

DB 51 SSWALG 56

RESULT 3

I48552
 orf US426 - infectious laryngotracheitis virus
 C:Species: infectious laryngotracheitis virus
 C>Date: 17-Feb-1994 #sequence_revision 17-Feb-1994 #text_change 08-Oct-1999
 C:Accession: I48552
 R:Sakaguchi, M.; Urakawa, T.; Hirayama, Y.; Miki, N.; Yamamoto, M.; Hirai, K.
 Virus Genes 6, 365-378, 1992
 A:Title: Sequence determination and genetic content of an 8.9-kb restriction fragment in
 A:Reference number: A48552; MUID:93118245; PMID:1282282
 A:Accession: I48552
 A>Status: preliminary
 A:Molecule type: DNA

A:Residues: 1-142 <SAK>
 A:Cross-references: GB:M80595; NID:g291557; PIDN:AAB59898.1; PID:g291567
 A>Note: sequence extracted from NCBI backbone (NCBIN:121622, NCBIIP:121633)

Query Match 30.0%; Score 6; DB 2; Length 142;
 Best Local Similarity 100.0%; Pred. No. 12; Mismatches 0; Indels 0; Gaps 0;
 Matches 6; Conservative 0

QY 4 SSWALG 9
 |||||

DB 59 SSWALG 64

RESULT 4

T46382
 hypothetical protein DKFZp434M0519.1 - human (fragment)
 C:Species: Homo sapiens (man)
 C>Date: 04-Feb-2000 #sequence_revision 04-Feb-2000 #text_change 09-Jul-2004
 C:Accession: T46382
 R:Ottewaelder, B.; Obermaier, B.; Mewes, H.W.; Gassenhuber, J.; Wiemann, S.
 submitted to the Protein Sequence Database, January 2000

A:Reference number: Z23031

A:Accession: T46382

A>Status: preliminary

A:Molecule type: mRNA

A:Residues: 1-174 <AAA>

A:Cross-references: UNIPROT:Q86T03; EMBL:AL1137727

A:Experimental source: adult testis; clone DKFZp434M0519

C:Genetics:

A>Note: DKFZp434M0519.1

Query Match 30.0%; Score 6; DB 2; Length 174;
 Best Local Similarity 100.0%; Pred. No. 13; Mismatches 0; Indels 0; Gaps 0;
 Matches 6; Conservative 0

QY 10 WRWLR 15
 |||||

DB 1 WRWLR 6

RESULT 5

C69780
 hypothetical protein ydfE - Bacillus subtilis
 C:Species: Bacillus subtilis
 C>Date: 05-Dec-1997 #sequence_revision 05-Dec-1997 #text_change 09-Jul-2004
 C:Accession: C69780
 R:Kunst, F.; Ogasawara, N.; Moszer, I.; Albertini, A.M.; Alloni, G.; Azevedo, V.; Bertero
 C.; Bron, S.; Brouillet, S.; Bruch, C.V.; Caldwell, B.; Capuano, V.; Carter, N.M.; Chac
 A.; Ehrlich, S.D.; Emmerson, P.T.; Entian, K.D.; Errington, J.; Fabret, C.; Ferrari, E.
 Nature 390, 249-256, 1997
 A:Authors: Foulger, D.; Fritz, C.; Fujita, M.; Fujita, Y.; Fuma, S.; Galizzi, A.; Gall
 iech, J.; Harwood, C.R.; Henaut, A.; Hilbert, H.; Hoisappel, S.; Hosono, S.; Hullo, M.F
 Koetter, P.; Konigstein, G.; Krogh, S.; Kumano, M.; Kurita, K.; Lapidus, A.; Lardinois,
 A:Authors: Lauber, J.; Lazarevic, V.; Lee, S.M.; Levine, A.; Liu, H.; Masuda, S.; Maue
 Y, M.; Ogawa, K.; Ogiwara, A.; Oudega, B.; Park, S.H.; Parro, V.; Pohl, T.M.; Portet
 Rieger, M.; Rivolta, C.; Rocha, E.; Roche, B.; Rose, M.; Sadate, Y.; Sato, T.; Scanlon,
 A:Authors: Schleich, S.; Schroeter, R.; Scoffone, F.; Seguchi, J.; Sekowska, A.; Ser
 akeuchi, M.; Takakoshi, A.; Tanaka, T.; Terpstra, P.; Tognoni, A.; Tosato, V.; Uchiyama,
 T.; Winters, P.; Wipat, A.; Yamamoto, H.; Yamane, K.; Yasumoto, K.; Yata, K.; Yoshida, K
 A:Authors: Yoshikawa, H.F.; Zmstein, E.; Yoshikawa, H.; Danchin, A.
 A:Title: The complete genome sequence of the Gram-positive bacterium Bacillus subtilis.
 A:Reference number: A69580; MUID:98044033; PMID:9384377
 A:Accession: C69780

A>Status: preliminary; nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-207 <KUN>

A:Cross-references: UNIPROT:P96682; GB:Z99106; GB:AL009126; NID:g2632653; PIDN:CAB12345

A:Experimental source: strain 168

C:Genetics:

A:Gene: ydfE

C:Superfamily: Bacillus subtilis hypothetical protein ydfE

Query Match 30.0%; Score 6; DB 2; Length 207;

Best Local Similarity 100.0%; Pred. No. 15;
Matches 6; Conservative 0; Mismatches 0; Gaps 0;

QY 4 SSWALG 9
|||||

Db 44 SSWALG 49
|||||

RESULT 6
JQ1579
major surface antigen - hepatitis B virus (subtype adw4q-)
C:Species: hepatitis B virus, HBV
A:Note: host Homo sapiens (man)
C:Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 09-Jul-2004
C:Accession: JQ1579; JQ2117
R:Norde, H.; Hammes, B.; Lee, S.D.; Bille, K.; Courouce, A.M.; Magnius, L.O.
J. Gen. Virol. 73, 1201-1208, 1992
A:Title: Comparison of the amino acid sequences of nine different serotypes of hepatitis B virus
A:Reference number: JQ1570; MUID:92268879; PMID:1588323
A:Accession: JQ1579
A:Molecule type: DNA
A:Residues: 1-226 <NOR>
A:Cross-references: UNIPROT:Q69612; GB:X75661; NID:G416088; PIDN:CAA53348.1; PID:G416088
A:Experimental source: subtype adw4q-, strain CNTS-36
R:Norde, H.; Hammes, B.; Lee, S.D.; Bille, K.; Courouce, A.M.; Mushahwar, I.K.; Magnius, L.O.
J. Gen. Virol. 74, 1341-1348, 1993
A:Title: Genetic relatedness of hepatitis B viral strains of diverse geographical origin
A:Reference number: JQ2044; MUID:93329382; PMID:8336122
A:Contents: genogroup F
A:Accession: JQ2117
A:Molecule type: DNA
A:Residues: 1-226 <NO2>
A:Experimental source: subtype adw4q-, strain Car
C:Genetics:
A:Gene: S
A:Superfamily: hepatitis B virus surface antigen
C:Keywords: glycoprotein; surface antigen
F:3/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 30.0%; Score 6; DB 1; Length 226;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
|||||

Db 154 SSWALG 159
|||||

RESULT 7
JQ1580
major surface antigen - hepatitis B virus (subtype adw4q-, strains CNTS-38 and Fou)
C:Species: hepatitis B virus, HBV
A:Note: host Homo sapiens (man)
C:Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 09-Jul-2004
C:Accession: JQ1580; JQ2118; JQ0599
R:Norde, H.; Hammes, B.; Loefdaal, S.; Courouce, A.M.; Magnius, L.O.
J. Gen. Virol. 73, 1201-1208, 1992
A:Title: Comparison of the amino acid sequences of nine different serotypes of hepatitis B virus
A:Reference number: JQ1570; MUID:92268879; PMID:1588323
A:Accession: JQ1580
A:Molecule type: DNA
A:Residues: 1-226 <NOR>
A:Cross-references: UNIPROT:Q69609
A:Experimental source: subtype adw4q-, strain CNTS-38
R:Norde, H.; Hammes, B.; Lee, S.D.; Bille, K.; Courouce, A.M.; Mushahwar, I.K.; Magnius, L.O.
J. Gen. Virol. 74, 1341-1348, 1993
A:Title: Genetic relatedness of hepatitis B viral strains of diverse geographical origin
A:Reference number: JQ2044; MUID:93329382; PMID:8336122
A:Contents: genogroup F
A:Accession: JQ2118
A:Molecule type: DNA
A:Residues: 1-226 <NO2>
A:Experimental source: subtype adw4q-, strain Rou

R:Norde, H.; Courouce, A.M.; Magnius, L.O.
J. Gen. Virol. 73, 1341-1345, 1992
A:Title: Molecular basis of hepatitis B virus serotype variations within the four major serotypes
A:Reference number: PQ0453; MUID:93107848; PMID:1469353
A:Accession: PQ0599
A:Molecule type: DNA
A:Residues: 101-180 <NO3>
A:Experimental source: subtype adw4q-, strain Rou
C:Genetics:
A:Gene: S
C:Superfamily: hepatitis B virus surface antigen
C:Keywords: glycoprotein; surface antigen
F:3/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 30.0%; Score 6; DB 1; Length 226;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
|||||

Db 154 SSWALG 159
|||||

RESULT 8
JQ2119
surface antigen - hepatitis B virus (subtype indet, strain Man)
C:Species: hepatitis B virus, HBV
C:Date: 03-Feb-1994 #sequence_revision 03-Feb-1994 #text_change 09-Jul-2004
C:Accession: JQ2119; PQ0600
R:Norde, H.; Hammes, B.; Lee, S.D.; Bille, K.; Courouce, A.M.; Mushahwar, I.K.; Magnius, L.O.
J. Gen. Virol. 74, 1341-1348, 1993
A:Title: Genetic relatedness of hepatitis B viral strains of diverse geographical origin
A:Reference number: JQ2044; MUID:93329382; PMID:8336122
A:Contents: genogroup F
A:Accession: JQ2119
A:Molecule type: DNA
A:Residues: 1-226 <NOR>
A:Cross-references: UNIPROT:Q91NK2; UNIPROT:Q9E9A6; UNIPROT:Q8JNZ6; UNIPROT:Q9YXC1; UNIPROT:Q9H586; UNIPROT:Q91NK1; UNIPROT:Q91L62; UNIPROT:Q9DHA3; UNIPROT:Q91L65; UNIPROT:Q91L67; UNIPROT:Q9E9A4; UNIPROT:Q55496; UNIPROT:Q99HS7; UNIPROT:Q99HS8; UNIPROT:Q9E9A7; UNIPROT:Q9E9A8; UNIPROT:Q99HS9
R:Norde, H.; Courouce, A.M.; Magnius, L.O.
J. Gen. Virol. 73, 1341-1345, 1992
A:Title: Molecular basis of hepatitis B virus serotype variations within the four major serotypes
A:Reference number: PQ0453; MUID:93107848; PMID:1469353
A:Accession: PQ0600
A:Molecule type: DNA
A:Residues: 101-180 <NO2>
C:Genetics:
A:Gene: S
C:Superfamily: hepatitis B virus surface antigen
C:Keywords: surface antigen

Query Match 30.0%; Score 6; DB 2; Length 226;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
|||||

Db 154 SSWALG 159
|||||

RESULT 9
JQ2225
small surface protein - hepatitis B virus
C:Species: hepatitis B virus, HBV
C:Date: 19-May-1994 #sequence_revision 19-May-1994 #text_change 09-Jul-2004
C:Accession: JQ2225; S31798
R:Naumann, H.; Schaefer, S.; Yoshida, C.F.T.; Gaspar, A.M.C.; Repp, R.; Gerlich, W.H.
J. Gen. Virol. 74, 1627-1632, 1993
A:Title: Identification of a new hepatitis B virus (HBV) genotype from Brazil that expresses a new surface protein
A:Reference number: JQ2225; MUID:93346970; PMID:8345355
A:Accession: JQ2225
A:Molecule type: DNA

A;Accession: JQ2226
A;Molecule type: DNA
A;Residues: 1-281 <NAU>
A;Cross-references: UNIPROT:Q67869; EMBL:X69798; NID:G59422; PIDN:CAA49454.1; PID:G59425
C;Superfamily: hepatitis B virus surface antigen

Query Match 30.0%; Score 6; DB 2; Length 281;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
|||||
Db 209 SSWALG 214

RESULT 15
SAVL64
middle surface antigen precursor - woodchuck hepatitis virus (clone 64)
N;Contains: major surface antigen
C;Species: woodchuck hepatitis virus
C;Date: 31-Mar-1989 #sequence_revision 31-Mar-1989 #text_change 09-Jul-2004
C;Accession: B29498
R;Ettemble, J.; Moerovey, T.; Trepo, C.; Tiollais, P.; Buendia, M.A.
Gene 50, 207-214, 1986
A;Title: Nucleotide sequence of the woodchuck hepatitis virus surface antigen mRNAs and
A;Reference number: A91568; MUID:87219879; PMID:3582979
A;Accession: B29498
A;Molecule type: mRNA
A;Residues: 1-282 <ETI>
A;Cross-references: UNIPROT:P11293; GB:M15954; NID:G893289; PIDN:AAA69574.1; PID:G336156
C;Genetics:

A;Gene: pre-S2/S
C;Superfamily: hepatitis B virus surface antigen
C;Keywords: glycoprotein; surface antigen
F;1-60/Domain: signal sequence #status predicted <SIG>
F;61-282/Product: major surface antigen (gene S) #status predicted <MSA>
F;3/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 30.0%; Score 6; DB 1; Length 282;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
|||||
Db 210 SSWALG 215

RESULT 16
A83377
conserved hypothetical protein PA2154 [imported] - Pseudomonas aeruginosa (strain PA01)
C;Species: Pseudomonas aeruginosa
C;Date: 15-Sep-2000 #sequence_revision 15-Sep-2000 #text_change 09-Jul-2004
C;Accession: A83377
R;Stover, C.K.; Pham, X.Q.; Erwin, A.L.; Mizoguchi, S.D.; Warrenner, P.; Hickey, M.J.; B
adman, S.; Yuan, Y.; Brody, L.L.; Coulter, S.N.; Folger, K.R.; Kas, A.; Larbig, K.; Lim,
.; Lory, S.; Olson, M.V.
Nature 406, 959-964, 2000
A;Title: Complete genome sequence of Pseudomonas aeruginosa PA01, an opportunistic patho
A;Reference number: A82950; MUID:20437337; PMID:10984043
A;Accession: A83377
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-331 <STO>
A;Cross-references: UNIPROT:Q911W1; GB:AE004642; GB:AE004091; NID:G9948163; PIDN:AA0554
A;Experimental source: strain PA01
C;Genetics:
A;Gene: PA2154

Query Match 30.0%; Score 6; DB 2; Length 331;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLR 15

Db 18 WRWLR 23
|||||

RESULT 17
JN0530
thioesterase homolog - Streptomyces griseus
N;Alternate names: Protein X
C;Species: Streptomyces griseus
C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 12-Jul-2004
C;Accession: JN0530
R;Criado, L.M.; Martin, J.F.; Gil, J.A.
Gene 126, 135-139, 1993
A;Title: The pab gene of Streptomyces griseus, encoding p-aminobenzoic acid synthase, is
A;Reference number: JN0530; MUID:93231527; PMID:8472954
A;Accession: JN0530
A;Molecule type: DNA
A;Residues: 1-361 <CRI>
A;Cross-references: UNIPROT:P33586; GB:M93058; NID:G153396; PIDN:AAA72110.1; PID:G388262
C;Superfamily: type II thioesterase with ferredoxin-like domain; oleoyl-l-acyl-carrier-pr
F;129-339/Domain: oleoyl-l-acyl-carrier-protein] hydrolase homology <ACPH>
F;201/Active site: Ser #status predicted

Query Match 30.0%; Score 6; DB 2; Length 361;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLRR 16
|||||
Db 115 RWLRR 120

RESULT 18
S67856
GumG protein - Xanthomonas campestris
C;Species: Xanthomonas campestris
C;Date: 24-Aug-1996 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004
C;Accession: S67856
R;Pollock, T.J.
submitted to the EMBL Data Library, March 1995
A;Reference number: S67856
A;Accession: S67856
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-379 <POL>
A;Cross-references: UNIPROT:Q56773; EMBL:U22511; NID:G172090; PIDN:AAA86375.1; PID:G7333
C;Genetics:
A;Gene: gumG
C;Superfamily: O-acetyl transferase

Query Match 30.0%; Score 6; DB 2; Length 379;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GWRWLR 14
|||||
Db 279 GWRWLR 284

RESULT 19
JQ2230
large surface protein - hepatitis B virus
N;Alternate names: preS1 (LHBs) protein
C;Species: hepatitis B virus, HBV
C;Date: 19-May-1994 #sequence_revision 19-May-1994 #text_change 09-Jul-2004
C;Accession: JQ2230; S31796
R;Naumann, H.; Schaefer, S.; Yoshida, C.F.T.; Gaspar, A.M.C.; Repp, R.; Gerlich, W.H.
J. Gen. Virol. 74, 1627-1632, 1993
A;Title: Identification of a new hepatitis B virus (HBV) genotype from Brazil that expres
A;Reference number: JQ2230; MUID:93346970; PMID:8345355
A;Accession: JQ2230
A;Molecule type: DNA
A;Residues: 1-400 <NAU>

A;Cross-references: UNIPROT:Q05496; EMBL:X69798; NID:g59422; PIDN:CRAA49455.1; PID:g59426
C;Superfamily: hepatitis B virus surface antigen

Query Match 30.0%; Score 6; DB 2; Length 400;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
|||||
Db 328 SSWALG 333

RESULT 20
F87644
transcription regulator, Tetr family [imported] - Caulobacter crescentus
C;Species: Caulobacter crescentus
C;Date: 20-Apr-2001 #sequence_revision 20-Apr-2001 #text_change 09-Jul-2004
C;Accession: F87644
R;Nieman, W.C.; DeBlyum, T.V.; Paulsen, I.T.; Nelson, K.E.; Eisen, J.; Heidelberg, J.
B.; Laub, M.T.; DeBoy, R.T.; Dodson, R.J.; Durkin, A.S.; Gwinn, M.L.; Haft, D.H.; Kolon
n, J.; Ermolaeva, M.; White, O.; Salzberg, S.L.; Shapiro, L.; Venter, J.C.; Fraser, C.M.
Proc. Natl. Acad. Sci. U.S.A. 98, 4136-4141, 2001
A;Title: Complete Genome Sequence of Caulobacter crescentus.
A;Reference number: A87249; MUID:21173698; PMID:11259647
A;Accession: F87644
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-411 <STO>
A;Cross-references: UNIPROT:Q9A3L1; GB:AE005673; NID:g13424868; PIDN:AAK25154.1; GSPDB:C
C;Genetics:
A;Gene: CC3192

Query Match 30.0%; Score 6; DB 2; Length 411;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLRRY 16
|||||
Db 178 RWLRRY 183

RESULT 21
SAVIC
large surface antigen - woodchuck hepatitis virus (clone 1)
N;Contains: major surface antigen; middle surface antigen
C;Species: woodchuck hepatitis virus
C;Date: 14-Nov-1983 #sequence_revision 14-Nov-1983 #text_change 09-Jul-2004
C;Accession: A03707
R;Galibert, F.; Chen, T.N.; Mandart, E.
J. Virol. 41, 51-65, 1982
A;Title: Nucleotide sequence of a cloned woodchuck hepatitis virus genome: comparison wi
A;Reference number: A92986; MUID:82216969; PMID:7086958
A;Accession: A03707
A;Molecule type: DNA
A;Residues: 1-426 <GAL>
A;Cross-references: UNIPROT:P03143; GB:J02442; NID:g336126; PIDN:AAA46760.1; PID:g336128
C;Genetics:
A;Gene: pre-S1/pre-S2/S
C;Superfamily: hepatitis B virus surface antigen
C;Keywords: glycoprotein; surface antigen
F;145-426/Product: middle surface antigen (gene pre-S2/S) #status predicted <DSA>
F;205-426/Product: major surface antigen (gene S) #status predicted <MSA>
F;32,147,346/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 30.0%; Score 6; DB 1; Length 426;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
|||||
Db 354 SSWALG 359

RESULT 22
SAVLS
large surface antigen - ground squirrel hepatitis virus
N;Contains: major surface antigen; middle surface antigen
C;Species: ground squirrel hepatitis virus
C;Date: 25-Feb-1985 #sequence_revision 25-Feb-1985 #text_change 09-Jul-2004
C;Accession: A03709
R;Seeger, C.; Ganem, D.; Varmus, H.E.
J. Virol. 51, 367-375, 1984
A;Title: Nucleotide sequence of an infectious molecularly cloned genome of ground squirr
A;Reference number: A93000; MUID:84267998; PMID:6086950
A;Accession: A03709
A;Molecule type: DNA
A;Residues: 1-428 <SEE>
A;Cross-references: UNIPROT:P03144; GB:K02715
C;Genetics:
A;Gene: pre-S1/pre-S2/S
C;Superfamily: hepatitis B virus surface antigen
C;Keywords: glycoprotein; surface antigen
F;147-428/Product: middle surface antigen (gene pre-S2/S) #status predicted <DSA>
F;207-428/Product: major surface antigen (gene S) #status predicted <MSA>
F;149/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 30.0%; Score 6; DB 1; Length 428;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
|||||
Db 356 SSWALG 361

RESULT 23
SAVL59
large surface antigen - woodchuck hepatitis virus (clone 59)
N;Contains: major surface antigen; middle surface antigen
C;Species: woodchuck hepatitis virus
C;Date: 30-Jun-1989 #sequence_revision 30-Jun-1989 #text_change 09-Jul-2004
C;Accession: H29969
R;Cohen, J.I.; Miller, R.H.; Rosenblum, B.; Denniston, K.; Gerin, J.L.; Purcell, R.H.
Virology 162, 12-20, 1988
A;Title: Sequence comparison of woodchuck hepatitis virus replicative forms shows conser
A;Reference number: A94368; MUID:88101359; PMID:3336938
A;Accession: H29969
A;Molecule type: DNA
A;Residues: 1-431 <COH>
A;Cross-references: UNIPROT:PI2910; GB:M19183; NID:g336141; PIDN:AAA46762.1; PID:g336142
C;Genetics:
A;Gene: pre-S1/pre-S2/S
C;Superfamily: hepatitis B virus surface antigen
C;Keywords: glycoprotein; surface antigen
F;150-431/Product: middle surface antigen (gene pre-S2/S) #status predicted <DSA>
F;210-431/Product: major surface antigen (gene S) #status predicted <MSA>
F;32,94,152/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 30.0%; Score 6; DB 1; Length 431;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
|||||
Db 359 SSWALG 364

RESULT 24
SAVL7
large surface antigen - woodchuck hepatitis virus (clone 7)
N;Contains: major surface antigen; middle surface antigen
C;Species: woodchuck hepatitis virus
C;Date: 30-Jun-1989 #sequence_revision 30-Jun-1989 #text_change 09-Jul-2004
C;Accession: D29969
R;Cohen, J.I.; Miller, R.H.; Rosenblum, B.; Denniston, K.; Gerin, J.L.; Purcell, R.H.
Virology 162, 12-20, 1988

A;Title: Sequence comparison of woodchuck hepatitis virus replicative forms shows conserved
 A;Reference number: A94368; MUID:88101359; PMID:3336938
 A;Accession: D29969
 A;Molecule type: DNA
 A;Residues: 1-431 <COH>
 A;Cross-references: UNIPROT:P12909; GB:M18752; NID:g336136; PIDN:AAA46766.1; PID:g336137
 C;Genetics:
 A;Gene: pre-S1/pre-S2/S
 C;Superfamily: hepatitis B virus surface antigen
 C;Keywords: glycoprotein; surface antigen
 F;150-431/Product: middle surface antigen (gene pre-S2/S) #status predicted <DSA>
 F;210-431/Product: major surface antigen (gene S) #status predicted <MSA>
 F;32,94,152/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 30.0%; Score 6; DB 1; Length 431;
 Best Local Similarity 100.0%; Pred. No. 27;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 359 SSWALG 364

RESULT 25
 SAVLC2
 large surface antigen - woodchuck hepatitis virus (clone 2)
 N;Contains: major surface antigen; middle surface antigen
 C;Species: woodchuck hepatitis virus
 A;Note: variety subtype 2
 C;Date: 30-Jun-1987 #sequence_revision 30-Jun-1987 #text_change 09-Jul-2004
 C;Accession: A03708
 R;Kodama, K.; Ogasawara, N.; Yoshikawa, H.; Murakami, S.
 J. Virol. 56, 978-986, 1985
 A;Title: Nucleotide sequence of a cloned woodchuck hepatitis virus genome: evolutionary
 A;Reference number: A93015; MUID:86062931; PMID:3855246
 A;Accession: A03708
 A;Molecule type: DNA
 A;Residues: 1-431 <KOD>
 A;Cross-references: UNIPROT:P06432; GB:M11082; NID:g336132; PIDN:AAA19182.1; PID:g336133
 C;Genetics:
 A;Gene: pre-S1/pre-S2/S
 C;Superfamily: hepatitis B virus surface antigen
 C;Keywords: glycoprotein; surface antigen
 F;150-431/Product: middle surface antigen (gene pre-S2/S) #status predicted <DSA>
 F;210-431/Product: major surface antigen (gene S) #status predicted <MSA>
 F;32,94,152/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 30.0%; Score 6; DB 1; Length 431;
 Best Local Similarity 100.0%; Pred. No. 27;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 359 SSWALG 364

RESULT 26
 SAVLW8
 large surface antigen - woodchuck hepatitis virus (clone 8)
 N;Contains: major surface antigen; middle surface antigen
 C;Species: woodchuck hepatitis virus
 C;Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 09-Jul-2004
 C;Accession: B32397
 R;Girones, R.; Cote, P.J.; Hornbuckle, W.E.; Tennant, B.C.; Gerin, J.L.; Purcell, R.H.;
 Proc. Natl. Acad. Sci. U.S.A. 86, 1846-1849, 1989
 A;Title: Complete nucleotide sequence of a molecular clone of woodchuck hepatitis virus
 A;Reference number: A94222; MUID:89184524; PMID:2928306
 A;Accession: B32397
 A;Molecule type: DNA
 A;Residues: 1-431 <GIR>
 A;Cross-references: UNIPROT:P17400; GB:J04514
 C;Genetics:
 A;Gene: pre-S1/pre-S2/S

C;Superfamily: hepatitis B virus surface antigen
 C;Keywords: glycoprotein; surface antigen
 F;150-431/Product: middle surface antigen (gene pre-S2/S) #status predicted <DSA>
 F;210-431/Product: major surface antigen (gene S) #status predicted <MSA>
 F;32,94,152/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 30.0%; Score 6; DB 1; Length 431;
 Best Local Similarity 100.0%; Pred. No. 27;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 359 SSWALG 364

RESULT 27
 S55273
 amine oxidase (flavin-containing) (EC 1.4.3.4) N - Aspergillus niger
 N;Alternate names: monoamine oxidase N
 C;Species: Aspergillus niger
 C;Date: 14-Oct-1995 #sequence_revision 12-Apr-1996 #text_change 09-Jul-2004
 C;Accession: S55273; S55267; S60356
 R;Schilling, B.; Lerch, K.
 Mol. Gen. Genet. 247, 430-438, 1995
 A;Title: Cloning, sequencing and heterologous expression of the monoamine oxidase gene fr
 A;Reference number: S55267; MUID:95287865; PMID:7770050
 A;Accession: S55273
 A;Molecule type: DNA
 A;Residues: 1-495 <SCH>
 A;Cross-references: UNIPROT:P46882; EMBL:L38859; NID:g619754; PIDN:AAA98490.1; PID:g61975
 A;Accession: S55267
 A;Molecule type: protein
 A;Residues: 165-175 <SCW>
 R;Schilling, B.; Lerch, K.
 Biochim. Biophys. Acta 1243, 529-537, 1995
 A;Title: Amine oxidases from Aspergillus niger: identification of a novel flavin-dependent
 A;Reference number: S60356; MUID:95244610; PMID:7727530
 A;Accession: S60356
 A;Status: nucleic acid sequence not shown; not compared with conceptual translation
 A;Molecule type: mRNA
 A;Residues: 1-52 <SCF>
 C;Genetics:
 A;Introns: 62/1; 89/3
 C;Keywords: FAD; flavoprotein; oxidoreductase; peroxisome
 F;41-69/Region: beta-alpha-beta FAD nucleotide-binding fold
 F;493-495/Region: peroxisome/glyoxysome location signal #status atypical

Query Match 30.0%; Score 6; DB 2; Length 495;
 Best Local Similarity 100.0%; Pred. No. 30;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 WALGWR 11
 |||||
 Db 459 WALGWR 464

RESULT 28
 C84356
 hypothetical protein Vmg2064h [imported] - Halobacterium sp. NRC-1
 C;Species: Halobacterium sp. NRC-1
 C;Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004
 C;Accession: C84356
 R;Ng, W.V.; Kennedy, S.P.; Mahairas, G.G.; Berquist, B.; Pan, M.; Shukla, H.D.; Lasky, S.;
 ; Leithausner, B.; Keller, K.; Cruz, R.; Danson, M.J.; Hough, D.W.; Maddocks, D.G.; Jablor
 Jung, K.H.; Alam, M.; Freitas, T.
 Proc. Natl. Acad. Sci. U.S.A. 97, 12176-12181, 2000
 A;Authors: Hou, S.; Daniels, C.J.; Dennis, P.P.; Omer, A.D.; Ebhardt, H.; Lowe, T.M.; Lie
 A;Title: Genome sequence of Halobacterium species NRC-1
 A;Reference number: A84160; MUID:20504483; PMID:11016950
 A;Accession: C84356
 A;Status: preliminary
 A;Molecule type: DNA
 A;Residues: 1-571 <STO>

A;Cross-references: UNIPROT:Q9HNK5; GB:AE004437; NID:g10581482; PIDN:AG20215.1; GSPDB:G
 C;Genetics:
 A;Gene: VNG2064H

Query Match 30.0%; Score 6; DB 2; Length 571;
 Best Local Similarity 100.0%; Pred. No. 33;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 WALGWR 11
 |||||
 DB 29 WALGWR 34

RESULT 29
 S76730
 hypothetical protein - *Synechocystis* sp. (strain PCC 6803)
 C;Species: *Synechocystis* sp.
 A;Variety: PCC 6803
 C;Date: 25-Apr-1997 #sequence_revision 25-Apr-1997 #text_change 09-Jul-2004
 C;Accession: S76730
 R;Kaneko, T.; Sato, S.; Kotani, H.; Tanaka, A.; Asamizu, E.; Nakamura, Y.; Miyajima, N.;
 O, K.; Okumura, S.; Shimpo, S.; Takeuchi, C.; Wada, T.; Watanabe, A.; Yamada, M.; Yasuda
 DNA Res. 3, 109-136, 1996
 A;Title: Sequence analysis of the genome of the unicellular cyanobacterium *Synechocystis*
 s.

A;Reference number: S74322; MUID:97061201; PMID:8905231
 A;Accession: S76730
 A;Status: preliminary
 A;Molecule type: DNA
 A;Residues: 1-636 <KAN>
 A;Cross-references: UNIPROT:P74536; EMBL:D90916; GB:AB001339; NID:g1653715; PIDN:BAAL1864
 A;Note: the nucleotide sequence was submitted to the EMBL Data Library, June 1996

Query Match 30.0%; Score 6; DB 2; Length 636;
 Best Local Similarity 100.0%; Pred. No. 36;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
 |||||
 DB 52 LGWRWL 57

RESULT 30
 T34232
 hypothetical protein F20B6.8 - *Caenorhabditis elegans*
 C;Species: *Caenorhabditis elegans*
 C;Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 09-Jul-2004
 C;Accession: T34232
 R;Minx, P.
 submitted to the EMBL Data Library, November 1995
 A;Description: The sequence of *C. elegans* cosmid F20B6.
 A;Reference number: Z21491
 A;Accession: T34232
 A;Status: preliminary; translated from GB/EMBL/DBJ
 A;Molecule type: cDNA
 A;Residues: 1-821
 A;Cross-references: UNIPROT:Q19632; EMBL:U41015; PIDN:AAA82316.1; CESP:F20B6.8
 A;Experimental source: strain Bristol N2
 C;Genetics:
 A;Gene: CESP:F20B6.8
 A;Introns: 27/3; 48/3; 107/3; 291/2; 334/2; 581/1; 742/2

Query Match 30.0%; Score 6; DB 2; Length 821;
 Best Local Similarity 100.0%; Pred. No. 44;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 DB 685 SSWALG 690

RESULT 31
 T02245

hypothetical protein P1.11659.3 - human
 C;Species: *Homo sapiens* (man)
 C;Date: 05-Mar-1999 #sequence_revision 05-Mar-1999 #text_change 05-Nov-1999
 C;Accession: T02245
 R;Lamerdin, J.E.; McCready, P.M.; Skowroneki, E.; Adamson, A.W.; Burkhardt-Schultz, K.; G.
 ; Christensen, M.; Georgescu, A.; Avila, J.; Liu, S.; Attix, C.; Andreise, T.; Tranke
 submitted to the EMBL Data Library, March 1998
 A;Authors: Duarte, S.; Lucas, S.; Bruce, R.; Thomas, P.; Quan, G.; Kronmiller, B.; Arell
 A;Description: Sequence analysis of a human P1 clone containing the XRCC9 DNA repair gen
 A;Reference number: Z14637
 A;Accession: T02245
 A;Status: translated from GB/EMBL/DBJ
 A;Molecule type: DNA
 A;Residues: 1-880 <LAN>
 A;Cross-references: EMBL:AC004472; NID:g2984582; PIDN:AAC07985.1; PID:g2984587
 C;Genetics:
 A;Map position: 9
 A;Introns: 89/3; 152/1; 200/1; 241/2; 294/3; 354/3; 435/1; 733/1; 802/1; 871/1

Query Match 30.0%; Score 6; DB 2; Length 880;
 Best Local Similarity 100.0%; Pred. No. 46;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
 |||||
 DB 457 WLRRYG 462

RESULT 32
 F88559
 protein C48B4.4b [imported] - *Caenorhabditis elegans*
 C;Species: *Caenorhabditis elegans*
 C;Date: 10-May-2001 #sequence_revision 10-May-2001 #text_change 16-Aug-2004
 C;Accession: F88559
 R;anonymous, The C. elegans Sequencing Consortium.
 Science 282, 2012-2018, 1998
 A;Title: Genome sequence of the nematode *C. elegans*: a platform for investigating biolog
 A;Reference number: A75000; MUID:99069613; PMID:9851916
 A;Note: see websites genome.wustl.edu/gsc/c_elegans/ and www.sanger.ac.uk/Projects/c_ele
 A;Note: published errata appeared in Science 283, 35, 1999; Science 283, 2103, 1999; and
 A;Accession: F88559
 A;Status: preliminary
 A;Molecule type: DNA
 A;Residues: 1-1758 <STO>
 A;Cross-references: GB:chr_III; PIDN:CAA82384.1; PID:g3875025; GSPDB:GN00021; CESP:C48B4
 C;Genetics:
 A;Gene: C48B4.4b
 A;Map position: 3
 C;Superfamily: ATP-binding cassette homology

Query Match 30.0%; Score 6; DB 2; Length 1758;
 Best Local Similarity 100.0%; Pred. No. 78;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLRRY 16
 |||||
 DB 16 RWLRRY 21

RESULT 33
 S60124
 transport protein homolog C48B4.4 - *Caenorhabditis elegans*
 C;Species: *Caenorhabditis elegans*
 C;Date: 13-Jan-1996 #sequence_revision 12-Apr-1996 #text_change 16-Aug-2004
 C;Accession: S60124; S40724; S40725
 R;Kershaw, J.
 submitted to the EMBL Data Library, November 1995
 A;Reference number: S60124
 A;Accession: S60124
 A;Molecule type: DNA
 A;Residues: 1-1767 <KER>
 A;Cross-references: EMBL:Z29117; NID:g439247; PID:g1066912
 C;Genetics:

A;Map position: III
 A;Introns: 47/1; 112/3; 161/2; 220/2; 543/3; 574/3; 903/2; 1056/1; 1115/3; 1178/3; 1265/4
 C;Superfamily: ATP-binding cassette homology
 C;Keywords: ATP; duplication; nucleotide binding; P-loop; transmembrane protein
 F;628-818/Domain: ATP-binding cassette homology <ABC1>
 F;645-852/Region: nucleotide-binding motif A (P-loop)
 F;764-769/Region: nucleotide-binding motif B
 F;1457-1642/Domain: ATP-binding cassette homology <ABC2>
 F;1474-1481/Region: nucleotide-binding motif A (P-loop)
 F;1586-1591/Region: nucleotide-binding motif B

Query Match 30.0%; Score 6; DB 2; Length 1767;
 Best Local Similarity 100.0%; Pred. No. 78;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLRRY 16
 Db 16 RWLRRY 21
 |||||
 |||||

RESULT 34
 PH1692
 Ig heavy chain V region (clone NP-7-5) - mouse (fragment)
 C;Species: Mus musculus (house mouse)
 C;Date: 24-Feb-1994 #sequence_revision 24-Feb-1994 #text_change 17-Mar-1999
 C;Accession: PH1692
 R;McHeyzer-Williams, M.G.; McLean, M.J.; Lalor, P.A.; Nossal, G.J.V.
 J. Exp. Med. 178, 295-307, 1993
 A;Title: Antigen-driven B cell differentiation in vivo.
 A;Reference number: PH1675; MUID:93301607; PMID:8315385
 A;Accession: PH1692
 A;Molecule type: mRNA
 A;Residues: 1-23 <MCH>
 A;Experimental source: B cell
 A;Note: the authors translated the codon AGT for residue 8 as Arg, GCT for residue 20 as Arg
 C;Superfamily: immunoglobulin V region; immunoglobulin homology
 C;Keywords: heterotetramer; immunoglobulin

Query Match 25.0%; Score 5; DB 2; Length 23;
 Best Local Similarity 100.0%; Pred. No. 37;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 RYQWG 19
 Db 14 RYQWG 18
 |||||
 |||||

RESULT 35
 QXBP7L
 hypothetical protein C-60 (nin region) - phage lambda
 C;Species: phage lambda
 C;Date: 13-Jun-1983 #sequence_revision 13-Jun-1983 #text_change 09-Jul-2004
 C;Accession: C43011; H43016; A04393
 R;Daniels, D.
 submitted to the Nucleic Acid Sequence Database, September 1982

Query Match 25.0%; Score 5; DB 2; Length 75;
 Best Local Similarity 100.0%; Pred. No. 90;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRW 12
 Db 42 LGWRW 46
 |||||
 |||||

RESULT 38
 S72700
 probable ketoacyl synthase kas - Mycobacterium leprae
 N;Alternate names: Lep1170_C1_189 protein
 C;Species: Mycobacterium leprae
 C;Date: 19-Mar-1997 #sequence_revision 25-Apr-1997 #text_change 09-Jul-2004
 C;Accession: S72700

Query Match 25.0%; Score 5; DB 1; Length 60;
 Best Local Similarity 100.0%; Pred. No. 76;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLRR 15
 Db 50 RWLRR 54
 |||||
 |||||

RESULT 36
 D83827
 Na+/H+ antiporter nahs [imported] - Bacillus halodurans (strain C-125)
 C;Species: Bacillus halodurans
 C;Date: 01-Dec-2000 #sequence_revision 01-Dec-2000 #text_change 09-Jul-2004
 C;Accession: D83827
 R;Takami, H.; Nakasone, K.; Takaki, Y.; Maeno, G.; Sasaki, R.; Masui, N.; Fujii, F.; Hirano, T.
 Nucleic Acids Res. 28, 4317-4331, 2000
 A;Title: Complete genome sequence of the alkaliphilic bacterium Bacillus halodurans and its relatives
 A;Reference number: A83650; MUID:20512582; PMID:11058132
 A;Accession: D83827
 A;Status: preliminary
 A;Molecule type: DNA
 A;Residues: 1-65 <STO>
 A;Cross-references: UNIPROT:Q9KCC9; GB:AP001512; GB:BA000004; NID:g10174030; PIDN:BAB0511
 A;Experimental source: strain C-125
 C;Genetics:
 A;Gene: nahs

Query Match 25.0%; Score 5; DB 2; Length 65;
 Best Local Similarity 100.0%; Pred. No. 80;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLRR 15
 Db 33 RWLRR 37
 |||||
 |||||

RESULT 37
 A72733
 hypothetical protein APES012 - Aeropyrum pernix (strain K1)
 C;Species: Aeropyrum pernix
 C;Date: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004
 C;Accession: A72733
 R;Kawarabayashi, Y.; Hino, Y.; Horikawa, H.; Yamazaki, S.; Haikawa, Y.; Jin-no, K.; Takahara, H.; Takamiya, M.; Masuda, S.; Funahashi, T.; Tanaka, T.; Kudoh, Y.; Yamazaki, J.; Kikuchi, Y.
 DNA Res. 6, 83-101, 1999
 A;Title: Complete genome sequence of an aerobic hyper-thermophilic Crenarchaeon, Aeropyrum pernix
 A;Reference number: A72450; MUID:99310339; PMID:10382966
 A;Accession: A72733
 A;Status: preliminary
 A;Molecule type: DNA
 A;Residues: 1-75 <KAW>
 A;Cross-references: UNIPROT:Q9YF39; DBJ:AP0000059; NID:g5103911; PIDN:BAA79357.1; PID:d10174030
 A;Experimental source: strain K1
 C;Genetics:
 A;Gene: APES012

Query Match 25.0%; Score 5; DB 2; Length 75;
 Best Local Similarity 100.0%; Pred. No. 90;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRW 12
 Db 42 LGWRW 46
 |||||
 |||||

RESULT 38
 S72700
 probable ketoacyl synthase kas - Mycobacterium leprae
 N;Alternate names: Lep1170_C1_189 protein
 C;Species: Mycobacterium leprae
 C;Date: 19-Mar-1997 #sequence_revision 25-Apr-1997 #text_change 09-Jul-2004
 C;Accession: S72700

R;Smith, D.R.; Robison, K.
 submitted to the EMBL Data Library, November 1993
 A;Description: Mycobacterium leprae cosmid B1170.
 A;Reference number: S72693
 A;Accession: S72700
 A;Status: preliminary
 A;Molecule type: DNA
 A;Residues: 1-84 <SMI>
 A;Cross-references: UNIPROT:Q49621; EMBL:U00010; NID:G466780; PID:AAA17064.1; PID:G466780
 C;Genetics:
 A;Gene: kas
 A;Start codon: GTG

Query Match 25.0%; Score 5; DB 2; Length 84;
 Best Local Similarity 100.0%; Pred. No. 98;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 WALGW 10
 |||||
 DB 74 WALGW 78

RESULT 39
 I56009
 MHC HLA-A2 protein - human (fragment)
 C;Species: Homo sapiens (man)
 C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004
 C;Accession: I56009
 R;Sire, J.; Chimini, G.; Boretto, J.; Toubert, A.; Kahn-Perles, B.; Layet, C.; Sodoyer, J. Immunol. 140, 2422-2430, 1988
 A;Title: Hybrid genes between HLA-A2 and HLA-A3 constructed by in vivo recombination all
 A;Reference number: I56009; MUID:88170828; PMID:2450922
 A;Accession: I56009
 A;Status: preliminary; translated from GB/EMBL/DBJ
 A;Molecule type: DNA
 A;Residues: 1-89 <RES>
 A;Cross-references: UNIPROT:Q30176; GB:M20139; NID:G188493; PID:AAA59838.1; PID:G553587
 C;Genetics:
 A;Gene: GDB:HLA-A
 A;Cross-references: GDB:119310; OMIM:142800
 A;Map position: 6p21.3-6p21.3
 C;Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match 25.0%; Score 5; DB 2; Length 89;
 Best Local Similarity 100.0%; Pred. No. 1e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
 |||||
 DB 74 WLRRY 78

RESULT 40
 I58989
 MHC H2-K transplation antigen - mouse (fragment)
 C;Species: Mus musculus (house mouse)
 C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004
 C;Accession: I58989
 R;Schulze, D.H.; Pease, L.R.; Geier, S.S.; Reyes, A.A.; Sarmiento, L.A.; Wallace, R.B.; Proc. Natl. Acad. Sci. U.S.A. 80, 2007-2011, 1983
 A;Title: comparison of the cloned h-2kbml variant gene with the h-2kb gene shows a clust
 A;Reference number: I58989; MUID:83169810; PMID:6300887
 A;Accession: I58989
 A;Status: preliminary; translated from GB/EMBL/DBJ
 A;Molecule type: DNA
 A;Residues: 1-91 <RES>
 A;Cross-references: UNIPROT:Q31180; GB:J00401; NID:G199540; PID:AAA39651.1; PID:G554232
 C;Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match 25.0%; Score 5; DB 2; Length 91;
 Best Local Similarity 100.0%; Pred. No. 1e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
 |||||
 Db 76 WLRRY 80

RESULT 41
 I57611
 MHC K-bm6 transplation antigen - mouse (fragment)
 C;Species: Mus musculus (house mouse)
 C;Date: 02-Aug-1996 #sequence_revision 02-Aug-1996 #text_change 09-Jul-2004
 C;Accession: I57611
 R;Geliebter, J.; Zeff, R.A.; Schulze, D.H.; Pease, L.R.; Weiss, E.H.; Mellor, A.L.; Flay Mol. Cell. Biol. 6, 645-652, 1986
 A;Title: Interaction between K-b and Q4 gene sequences generates the K-bm6 mutation.
 A;Reference number: I57611; MUID:87064350; PMID:3023861
 A;Accession: I57611
 A;Status: preliminary; translated from GB/EMBL/DBJ
 A;Molecule type: DNA
 A;Residues: 1-91 <RES>
 A;Cross-references: UNIPROT:Q95555; GB:M12935; NID:G199595; PID:AAA39677.1; PID:G554238
 C;Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match 25.0%; Score 5; DB 2; Length 91;
 Best Local Similarity 100.0%; Pred. No. 1e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
 |||||
 Db 76 WLRRY 80

RESULT 42
 I59068
 MHC class I H2-K-b-alpha-2 cell surface glycoprotein - mouse (fragment)
 C;Species: Mus musculus (house mouse)
 C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004
 C;Accession: I59068
 R;Geliebter, J.; Zeff, R.A.; Melvold, R.W.; Nathenson, S.G. Proc. Natl. Acad. Sci. U.S.A. 83, 3371-3375, 1986
 A;Title: Mitotic recombination in germ cells generated two major histocompatibility comp
 A;Reference number: I59068; MUID:86205899; PMID:3458188
 A;Accession: I59068
 A;Status: preliminary; translated from GB/EMBL/DBJ
 A;Molecule type: mRNA
 A;Residues: 1-91 <RES>
 A;Cross-references: UNIPROT:Q31189; GB:M13200; NID:G199535; PID:AAA39649.1; PID:G554230
 C;Superfamily: class I histocompatibility antigen; immunoglobulin homology
 C;Keywords: glycoprotein

Query Match 25.0%; Score 5; DB 2; Length 91;
 Best Local Similarity 100.0%; Pred. No. 1e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
 |||||
 Db 76 WLRRY 80

RESULT 43
 JQ0906
 bombyxin A-3 homolog - ailanthus silkmoth
 C;Species: Samia cynthia (ailanthus silkmoth)
 C;Date: 12-Feb-1993 #sequence_revision 12-Feb-1993 #text_change 09-Jul-2004
 C;Accession: JQ0906
 R;Iwami, M.
 submitted to JIPID, March 1991
 A;Reference number: JQ0902
 A;Accession: JQ0906
 A;Molecule type: DNA
 A;Residues: 1-98 <IWA>
 A;Cross-references: UNIPROT:P33720
 A;Note: the authors translated the codon ATA for residue 32 as Thr
 A;Note: the source is designated as Samia cynthia ricini

C;Genetics:

A;Gene: sbxA3
C;Superfamily: insulin
C;Keywords: hormone

Query Match 25.0%; Score 5; DB 2; Length 98;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GWRWL 13
|||||
Db 58 GWRWL 62

RESULT 44

JQ0902

bombyxin A-1 homolog - ailanthus silkmoth

C;Species: Samia cynthia (ailanthus silkmoth)

C;Date: 12-Feb-1993 #sequence_revision 12-Feb-1993 #text_change 09-Jul-2004

C;Accession: JQ0902

R;Iwami, M.

submitted to JIPID, March 1991

A;Reference number: JQ0902

A;Accession: JQ0902

A;Molecule type: DNA

A;Residues: 1-99 <IWA>

A;Cross-references: UNIPROT:P33718

A;Note: the source is designated as Samia cynthia ricini

C;Genetics:

A;Gene: sbxA1

C;Superfamily: insulin

C;Keywords: hormone

Query Match 25.0%; Score 5; DB 2; Length 99;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GWRWL 13
|||||
Db 59 GWRWL 63

RESULT 45

H89992

hypothetical protein SA1825 [imported] - Staphylococcus aureus (strain N315)

C;Species: Staphylococcus aureus

C;Date: 10-May-2001 #sequence_revision 10-May-2001 #text_change 09-Jul-2004

C;Accession: H89992

R;Kuroda, M.; Ohca, T.; Uchiyama, I.; Baba, T.; Yuzawa, H.; Kobayashi, I.; Cui, L.; Ogud

ma, A.; Mizutani-Ui, Y.; Kobayashi, N.; Sawano, T.; Inoue, R.; Kaito, C.; Sekimizu, K.;

C.; Shiba, T.; Hattori, M.; Ogasawara, N.; Hayashi, H.; Hiramatsu, K.

Lancet 357, 1225-1240, 2001

A;Title: Whole genome sequencing of methicillin-resistant Staphylococcus aureus.

A;Reference number: A89758; MUID:21311952; PMID:11418146

A;Accession: H89992

A;Status: preliminary

A;Molecule type: DNA

A;Residues: 1-113 <KUR>

A;Cross-references: UNIPROT:Q99SM8; GB:BA000018; PID:gl3701812; PIDN:BA043105.1; GSPDB:Q

A;Experimental source: strain N315

C;Genetics:

A;Gene: SA1825

Query Match 25.0%; Score 5; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLRR 15
|||||
Db 50 RWLRR 54

RESULT 46

G97084

probable flavoprotein [imported] - Clostridium acetobutylicum

C;Species: Clostridium acetobutylicum

C;Date: 14-Sep-2001 #sequence_revision 14-Sep-2001 #text_change 09-Jul-2004

C;Accession: G97084

R;Nolling, J.; Breton, G.; Omelchenko, M.V.; Markarova, K.S.; Zeng, Q.; Gibson, R.; Lee,

J.; Daly, M.J.; Bennett, G.N.; Koonin, E.V.; Smith, D.R.

J. Bacteriol. 183, 4823-4838, 2001

A;Title: Genome Sequence and Comparative Analysis of the Solvent-Producing Bacterium Clostridium acetobutylicum

A;Reference number: A96900; MUID:21359325; PMID:21359325

A;Accession: G97084

A;Status: preliminary

A;Molecule type: DNA

A;Residues: 1-114 <KUR>

A;Cross-references: UNIPROT:Q971Y8; GB:AE001437; PIDN:AAK79466.1; PID:gl5024445; GSPDB:G

A;Experimental source: Clostridium acetobutylicum ATCC824

C;Genetics:

A;Gene: CAC1498

Query Match 25.0%; Score 5; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 RYCWG 19
|||||
Db 44 RYCWG 48

RESULT 47

H75591

hypothetical protein DRA0365 - Deinococcus radiodurans (strain R1)

C;Species: Deinococcus radiodurans

C;Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004

C;Accession: H75591

R;White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.; I

M.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma

S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.

Science 286, 1571-1577, 1999

A;Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.

A;Reference number: A75250; MUID:20036896; PMID:10567266

A;Accession: H75591

A;Status: preliminary

A;Molecule type: DNA

A;Residues: 1-116 <WHI>

A;Cross-references: UNIPROT:Q9RYF3; GB:AE001863; GB:AE001825; NID:g6460670; PIDN:AAF12502

A;Experimental source: strain R1

C;Genetics:

A;Gene: DRA0365

A;Map position: 2

C;Superfamily: Deinococcus radiodurans hypothetical protein DRA0365

Query Match 25.0%; Score 5; DB 2; Length 116;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
|||||
Db 87 WLRRY 91

RESULT 48

H72489

hypothetical protein APE2559 - Aeropyrum pernix (strain K1)

C;Species: Aeropyrum pernix

C;Date: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004

C;Accession: H72489

R;Kawarabayashi, Y.; Hino, Y.; Horikawa, H.; Yamazaki, S.; Haikawa, Y.; Jin-no, K.; Takaha

awa, H.; Takamiya, M.; Masuda, S.; Funahashi, T.; Tanaka, T.; Kudoh, Y.; Yamazaki, J.; K

DNA Res. 6, 83-101, 1999

A;Title: Complete genome sequence of an aerobic hyper-thermophilic Crenarchaeon, Aeropyr

A;Reference number: A72450; MUID:99310339; PMID:10382966

A;Accession: H72489

A;Status: preliminary

A:Molecule type: DNA
A:Residues: 1-116 <KAW>
A:Cross-references: UNIPROT:O9YBS4; DDBJ:AF000064; NID:95105945; PIDN:BAA81576.1; PID:dl
A:Experimental source: strain K1
C:Genetics:
A:Gene: APE2559

Query Match 25.0%; Score 5; DB 2; Length 116;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ALGWR 11
|||||
DB 6 ALGWR 10

RESULT 49
GZ087
Hypothetical protein CP0402 [imported] - Chlamydomonadales (strains CWL029 and AR
N:Alternate names: hypothetical protein CPn0356
C:Species: Chlamydomonadales, Chlamydomonadales
C:Date: 23-Apr-1999 #sequence_revision 23-Apr-1999 #text_change 09-Jul-2004
C:Accession: G72087; G81579
R:Kalan, S.; Mitchell, W.; Marathe, R.; Lammel, C.; Fan, J.; Olinger, L.; Grimwood, J.;
Nature Genet. 21, 385-389, 1999
A:Title: Comparative genomes of Clamydia pneumoniae and C. trachomatis.
A:Reference number: A72000; MUID:99206606; PMID:10192388
A:Accession: G72087
A>Status: preliminary
A:Molecule type: DNA
A:Residues: 1-117 <ARN>
A:Cross-references: UNIPROT:Q9Z8I7; GB:AE001620; GB:AE001363; NID:g4376631; PIDN:AAAD1850
A:Experimental source: strain CWL029
R:Read, T.D.; Brunham, R.C.; Shen, C.; Gill, S.R.; Heideberg, J.F.; White, O.; Hickey,
C.; Dodson, R.; Gwinn, M.; Nelson, W.; DeBoy, R.; Kolonay, J.; McClarty, G.; Salzberg,
Nucleic Acids Res. 28, 1397-1406, 2000
A:Title: Genome sequences of Chlamydia trachomatis MoPn and Chlamydia pneumoniae AR39.
A:Reference number: A81500; MUID:20150255; PMID:10684935
A:Accession: G81579
A>Status: preliminary
A:Molecule type: DNA
A:Residues: 1-117 <REA>
A:Cross-references: GB:AE002202; GB:AE002161; NID:g7189324; PIDN:AAF38247.1; PID:g718932
A:Experimental source: strain AR39, HL cells
C:Genetics:
A:Gene: CPn0356; CP0402
C:Superfamily: Chlamydia pneumoniae hypothetical protein CPn0356

Query Match 25.0%; Score 5; DB 2; Length 117;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWAL 8
|||||
DB 36 SSWAL 40

RESULT 50
B86535
Hypothetical protein CPj0356 [imported] - Chlamydomonadales (strain J138)
C:Species: Chlamydomonadales, Chlamydomonadales
C:Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
C:Accession: B86535
R:Shirai, M.; Hirakawa, H.; Kimoto, M.; Tabuchi, M.; Kishi, F.; Ouchi, K.; Shiba, T.; Is
Nucleic Acids Res. 28, 2311-2314, 2000
A:Title: Comparison of whole genome sequences of chlamydia pneumoniae J138.
A:Reference number: A86491; MUID:20330349; PMID:10871362
A:Accession: B86535
A>Status: preliminary
A:Molecule type: DNA
A:Residues: 1-117 <STO>
A:Cross-references: UNIPROT:Q9Z8I7; GB:BA000008; NID:g8978728; PIDN:BAA98564.1; GSPDB:GN
A:Experimental source: strain J138

C:Genetics:
A:Gene: CPj0356
C:Superfamily: Chlamydia pneumoniae hypothetical protein CPn0356

Query Match 25.0%; Score 5; DB 2; Length 117;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWAL 8
|||||
DB 36 SSWAL 40

RESULT 51
D97046
Hypothetical protein CAC1187 [imported] - Clostridium acetobutylicum
C:Species: Clostridium acetobutylicum
C:Date: 14-Sep-2001 #sequence_revision 14-Sep-2001 #text_change 09-Jul-2004
C:Accession: D97046
R:Nolling, J.; Breton, G.; Onelchenko, M.V.; Markarova, K.S.; Zeng, Q.; Gibson, R.; Lee,
.; Daly, M.J.; Bennett, G.N.; Koonin, E.V.; Smith, D.R.
J. Bacteriol. 183, 4823-4838, 2001
A:Title: Genome Sequence and Comparative Analysis of the Solvent-Producing Bacterium Clo
A:Reference number: A96900; MUID:21359325; PMID:21359325
A:Accession: D97046
A>Status: preliminary
A:Molecule type: DNA
A:Residues: 1-118 <KUR>
A:Cross-references: UNIPROT:Q9J7T6; GB:AE001437; PIDN:AAK79159.1; PID:g15024109; GSPDB:G
A:Experimental source: Clostridium acetobutylicum ATCC824
C:Genetics:
A:Gene: CAC1187

Query Match 25.0%; Score 5; DB 2; Length 118;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYG 17
|||||
DB 13 LRRYG 17

RESULT 52
T05357
ubiquinol-cytochrome-c reductase (EC 1.10.2.2) 14K chain - Arabidopsis thaliana
N:Alternate names: protein F8B4.170
C:Species: Arabidopsis thaliana (mouse-ear cross)
C:Date: 23-Apr-1999 #sequence_revision 23-Apr-1999 #text_change 27-Oct-2003
C:Accession: T05357
R:Bevan, M.; Terry, N.; Ardiles, W.; Buysshaert, C.; Dasseville, R.; De Clerck, R.; De
ews, H.W.; Mayer, K.F.X.; Schueller, C.
submitted to the Protein Sequence Database, February 1999
A:Reference number: Z15409
A:Accession: T05357
A:Molecule type: DNA
A:Residues: 1-122 <BEV>
A:Cross-references: EMBL:AL034567
A:Experimental source: cultivar Columbia; BAC clone F8B4
C:Genetics:
A:Map position: 4
A:Genome: nuclear
A:Introns: 32/1; 84/3; 100/3
A:Note: F8B4.170
C:Superfamily: ubiquinol-cytochrome-c reductase 14 kDa protein
C:Keywords: electron transfer; membrane protein; membrane-associated complex; mitochondria

Query Match 25.0%; Score 5; DB 2; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYG 17
|||||
DB 28 LRRYG 32

```

RESULT 53
F45345
trans-regulatory splicing-like protein - caprine arthritis-encephalitis virus (strain CO
N;Alternate names: rev-like protein
C;Species: caprine arthritis-encephalitis virus, CAEV
C;Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 09-Jul-2004
C;Accession: F45345
R;Saltarelli, M.; Querat, G.; Konings, D.A.M.; Vigne, R.; Clements, J.E.
Virology 179, 347-364, 1990
A;Title: Nucleotide sequence and transcriptional analysis of molecular clones of CAEV WH
A;Reference number: A45345; MUID:91021037; PMID:2171210
A;Accession: F45345
A;Molecule type: mRNA
A;Residues: 1-133 <SAL>
A;Cross-references: UNIPROT:P33460; GB:M33677
C;Genetics:
A;Gene: rev
A;Introns: 38/1
C;Superfamily: caprine arthritis-encephalitis virus rev-like protein
C;Keywords: splicing protein; transcription regulation

Query Match 25.0%; Score 5; DB 1; Length 133;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLR 14
Db 68 WRWLR 72

RESULT 54
VKLJCE
trans-regulatory splicing-like protein - caprine arthritis-encephalitis virus
N;Alternate names: rev-like protein
C;Species: caprine arthritis-encephalitis virus, CAEV
C;Date: 31-Mar-1993 #sequence_revision 31-Mar-1993 #text_change 09-Jul-2004
C;Accession: A40479
R;Kalinski, H.; Yaniv, A.; Mashiah, P.; Miki, T.; Tronick, S.R.; Gazit, A.
Virology 183, 786-792, 1991
A;Title: rev-like transcripts of caprine arthritis encephalitis virus.
A;Reference number: A40479; MUID:91306466; PMID:1649509
A;Accession: A40479
A;Molecule type: mRNA
A;Residues: 1-133 <KAL>
A;Cross-references: UNIPROT:P31628; GB:M63105; NID:G323291; PIDN:AAA42893.1; PID:G323292
C;Genetics:
A;Gene: rev
C;Superfamily: caprine arthritis-encephalitis virus rev-like protein
C;Keywords: splicing protein; transcription regulation

Query Match 25.0%; Score 5; DB 1; Length 133;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLR 14
Db 68 WRWLR 72

RESULT 55
AI0999
conserved hypothetical protein yrfA [imported] - Salmonella enterica ser
C;Species: Salmonella enterica subsp. enterica serovar Typhi
A;Note: this species has also been called Salmonella typhi
C;Date: 09-Nov-2001 #sequence_revision 09-Nov-2001 #text_change 18-Nov-2002
C;Accession: AI0999
R;Parkhill, J.; Dougan, G.; James, K.D.; Thomson, N.R.; Pickard, D.; Wain, J.; Churcher,
th, T.; Connerton, P.; Cronin, A.; Davis, P.; Davies, R.M.; Dowd, L.; White, N.; Farrar,
, S.; Moule, S.; O'Gaora, P.
Nature 413, 848-852, 2001
A;Authors: Parry, C.; Quail, M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.;

A;Title: Complete genome sequence of a multiple drug resistant Salmonella enterica serovar
A;Reference number: AB0502; MUID:21534947; PMID:11677608
A;Accession: AI0999
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-133 <PAR>
A;Cross-references: GB:AL513382; PIDN:CAD08125.1; PID:g16505104; GSPDB:GN00176
C;Genetics:
A;Gene: yrfA
C;Superfamily: Escherichia coli hypothetical 16.9K protein b3392

Query Match 25.0%; Score 5; DB 2; Length 133;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLR 14
Db 97 WRWLR 101

RESULT 56
F84190
hypothetical protein Vng0311h [imported] - Halobacterium sp. NRC-1
C;Species: Halobacterium sp. NRC-1
C;Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004
C;Accession: F84190
R;Ng, W.V.; Kennedy, S.P.; Mahairas, G.G.; Berquist, B.; Pan, M.; Shukla, H.D.; Lasky, S.
; Leithausen, B.; Keller, K.; Cruz, R.; Danson, M.J.; Hough, D.W.; Maddocks, D.G.; Jablor
Jung, K.H.; Alam, M.; Freitas, T.
Proc. Natl. Acad. Sci. U.S.A. 97, 12176-12181, 2000
A;Authors: Hou, S.; Daniels, C.J.; Dennis, P.P.; Omer, A.D.; Ebhardt, H.; Lowe, T.M.; Li
A;Title: Genome sequence of Halobacterium species NRC-1.
A;Reference number: A84160; MUID:20504483; PMID:11016950
A;Accession: F84190
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-133 <STO>
A;Cross-references: UNIPROT:Q9HSB7; GB:AE004437; NID:g10579938; PIDN:AAG18890.1; GSPDB:GN
C;Genetics:
A;Gene: VNG0311H

Query Match 25.0%; Score 5; DB 2; Length 133;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 SWALG 9
Db 58 SWALG 62

RESULT 57
C72539
hypothetical protein APE1600 - Aeropyrum pernix (strain K1)
C;Species: Aeropyrum pernix
C;Date: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004
C;Accession: C72539
R;Kawarabayashi, Y.; Hino, Y.; Horikawa, H.; Yamazaki, S.; Haikawa, Y.; Jin-no, K.; Takaha
awa, H.; Takamiya, M.; Masuda, S.; Funahashi, T.; Tanaka, T.; Kudoh, Y.; Yamazaki, J.; Ki
DNA Res. 6, 83-101, 1999
A;Title: Complete genome sequence of an aerobic hyper-thermophilic Crenarchaeon, Aeropyr
A;Reference number: A72450; MUID:99310339; PMID:10382966
A;Accession: C72539
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-135 <RAW>
A;Cross-references: UNIPROT:Q9YBJS; DDBJ:AF000062; NID:g5105244; PIDN:BAA80600.1; PID:dl
A;Experimental source: strain K1
C;Genetics:
A;Gene: APE1600

Query Match 25.0%; Score 5; DB 2; Length 135;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```
QY      4 SSWAL 8
Db      97 SSWAL 101

RESULT 58
I80172
class I histocompatibility antigen - chimpanzee (fragment)
C:Species: Pan troglodytes (chimpanzee)
C:Date: 24-May-1996 #sequence_revision 24-May-1996 #text_change 09-Jul-2004
C:Accession: I80172
R:McAdam, S.N.; Boyson, J.E.; Liu, X.; Garber, T.L.; Hughes, A.L.; Bontrop, R.E.; Watkin
Proc. Natl. Acad. Sci. U.S.A. 91, 5893-5897, 1994
A:Title: A uniquely high level of recombination at the HLA-B locus.
A:Reference number: I59308; MUID:94286544; PMID:8016085
A:Accession: I80172
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-137 <RES>
A:Cross-references: UNIPROT:Q95531; EMBL:U05583; NID:G454783; PIDN:AAA50186.1; PID:G4547
C:Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match      25.0%; Score 5; DB 2; Length 137;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRY 16
Db      132 WLRRY 136

RESULT 59
I80175
class I histocompatibility antigen - chimpanzee (fragment)
C:Species: Pan troglodytes (chimpanzee)
C:Date: 24-May-1996 #sequence_revision 24-May-1996 #text_change 09-Jul-2004
C:Accession: I80175
R:McAdam, S.N.; Boyson, J.E.; Liu, X.; Garber, T.L.; Hughes, A.L.; Bontrop, R.E.; Watkin
Proc. Natl. Acad. Sci. U.S.A. 91, 5893-5897, 1994
A:Title: A uniquely high level of recombination at the HLA-B locus.
A:Reference number: I59308; MUID:94286544; PMID:8016085
A:Accession: I80175
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: mRNA
A:Residues: 1-137 <RES>
A:Cross-references: UNIPROT:Q95534; EMBL:U05586; NID:G454789; PIDN:AAA50189.1; PID:G4547
C:Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match      25.0%; Score 5; DB 2; Length 137;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRY 16
Db      132 WLRRY 136

RESULT 60
I80173
class I histocompatibility antigen - chimpanzee (fragment)
C:Species: Pan troglodytes (chimpanzee)
C:Date: 24-May-1996 #sequence_revision 24-May-1996 #text_change 09-Jul-2004
C:Accession: I80173
R:McAdam, S.N.; Boyson, J.E.; Liu, X.; Garber, T.L.; Hughes, A.L.; Bontrop, R.E.; Watkin
Proc. Natl. Acad. Sci. U.S.A. 91, 5893-5897, 1994
A:Title: A uniquely high level of recombination at the HLA-B locus.
A:Reference number: I59308; MUID:94286544; PMID:8016085
A:Accession: I80173
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-137 <RES>
A:Cross-references: UNIPROT:Q95532; EMBL:U05584; NID:G454785; PIDN:AAA50187.1; PID:G4547
```

C:Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match 25.0%; Score 5; DB 2; Length 137;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
Db 132 WLRRY 136

RESULT 61

I80176
class I histocompatibility antigen - chimpanzee (fragment)
C:Species: Pan troglodytes (chimpanzee)
C:Date: 24-May-1996 #sequence_revision 24-May-1996 #text_change 09-Jul-2004
C:Accession: I80176
R:McAdam, S.N.; Boyson, J.E.; Liu, X.; Garber, T.L.; Hughes, A.L.; Bontrop, R.E.; Watkin
Proc. Natl. Acad. Sci. U.S.A. 91, 5893-5897, 1994
A:Title: A uniquely high level of recombination at the HLA-B locus.
A:Reference number: I59308; MUID:94286544; PMID:8016085
A:Accession: I80176
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: mRNA
A:Residues: 1-137 <RES>
A:Cross-references: UNIPROT:Q95535; EMBL:U05587; NID:G454791; PIDN:AAA50190.1; PID:G4547
C:Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match 25.0%; Score 5; DB 2; Length 137;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
Db 132 WLRRY 136

RESULT 62

I80174
class I histocompatibility antigen - chimpanzee (fragment)
C:Species: Pan troglodytes (chimpanzee)
C:Date: 24-May-1996 #sequence_revision 24-May-1996 #text_change 09-Jul-2004
C:Accession: I80174
R:McAdam, S.N.; Boyson, J.E.; Liu, X.; Garber, T.L.; Hughes, A.L.; Bontrop, R.E.; Watkin
Proc. Natl. Acad. Sci. U.S.A. 91, 5893-5897, 1994
A:Title: A uniquely high level of recombination at the HLA-B locus.
A:Reference number: I59308; MUID:94286544; PMID:8016085
A:Accession: I80174
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-137 <RES>
A:Cross-references: UNIPROT:Q95533; EMBL:U05585; NID:G454787; PIDN:AAA50188.1; PID:G4547
C:Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match 25.0%; Score 5; DB 2; Length 137;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
Db 132 WLRRY 136

RESULT 63

I38875
MHC class I antigen - human (fragment)
C:Species: Homo sapiens (man)
C:Date: 07-Jun-1996 #sequence_revision 07-Jun-1996 #text_change 09-Jul-2004
C:Accession: I38875
R:Garber, T.L.; Butler, L.M.; Trachtenberg, E.A.; Erlich, H.A.; Rickards, O.; De Stefano
Immunogenetics 42, 19-27, 1995
A:Title: HLA-B alleles of the Cayapa of Ecuador: new B39 and B15 alleles.
A:Reference number: I38860; MUID:95317819; PMID:7797264

A;Accession: I38875
A;Status: preliminary; translated from GB/EMBL/DBJ
A;Molecule type: DNA
A;Residues: 1-137 <RES>
A;Cross-references: UNIPROT:Q29664; EMBL:U15639; NID:G930332; PIDN:AAA74046.1; PID:G930333
C;Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match 25.0%; Score 5; DB 2; Length 137;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 WLRRY 16
Db 132 WLRRY 136

RESULT 64
I38860
MHC class I antigen - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 07-Jun-1996 #sequence_revision 07-Jun-1996 #text_change 09-Jul-2004
C;Accession: I38860
R;Garber, T.L.; Butler, L.M.; Trachtenberg, E.A.; Erlich, H.A.; Rickards, O.; De Stefani
Immunogenetics 42, 19-27, 1995
A;Title: HLA-B alleles of the Cayapa of Ecuador: new B39 and B15 alleles.
A;Reference number: I38860; MUID:95317819; PMID:7797264
A;Accession: I38860
A;Status: preliminary; translated from GB/EMBL/DBJ
A;Molecule type: DNA
A;Residues: 1-137 <RES>
A;Cross-references: UNIPROT:Q29660; EMBL:U14756; NID:G930328; PIDN:AAAC50171.1; PID:G930333
C;Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match 25.0%; Score 5; DB 2; Length 137;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 WLRRY 16
Db 132 WLRRY 136

RESULT 65
I38874
MHC class I antigen - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 07-Jun-1996 #sequence_revision 07-Jun-1996 #text_change 09-Jul-2004
C;Accession: I38874
R;Garber, T.L.; Butler, L.M.; Trachtenberg, E.A.; Erlich, H.A.; Rickards, O.; De Stefani
Immunogenetics 42, 19-27, 1995
A;Title: HLA-B alleles of the Cayapa of Ecuador: new B39 and B15 alleles.
A;Reference number: I38860; MUID:95317819; PMID:7797264
A;Accession: I38874
A;Status: preliminary; translated from GB/EMBL/DBJ
A;Molecule type: DNA
A;Residues: 1-137 <RES>
A;Cross-references: UNIPROT:Q29663; EMBL:U15638; NID:G930330; PIDN:AAA74045.1; PID:G930333
C;Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match 25.0%; Score 5; DB 2; Length 137;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 WLRRY 16
Db 132 WLRRY 136

RESULT 66
I38876
MHC class I antigen - human (fragment)
C;Species: Homo sapiens (man)
C;Date: 07-Jun-1996 #sequence_revision 07-Jun-1996 #text_change 09-Jul-2004

C;Accession: I38876
R;Garber, T.L.; Butler, L.M.; Trachtenberg, E.A.; Erlich, H.A.; Rickards, O.; De Stefani
Immunogenetics 42, 19-27, 1995
A;Title: HLA-B alleles of the Cayapa of Ecuador: new B39 and B15 alleles.
A;Reference number: I38860; MUID:95317819; PMID:7797264
A;Accession: I38876
A;Status: preliminary; translated from GB/EMBL/DBJ
A;Molecule type: DNA
A;Residues: 1-137 <RES>
A;Cross-references: UNIPROT:P30475; EMBL:U15640; NID:G930334; PIDN:AAA74047.1; PID:G930333
C;Superfamily: class I histocompatibility antigen; immunoglobulin homology

Query Match 25.0%; Score 5; DB 2; Length 137;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 WLRRY 16
Db 132 WLRRY 136

RESULT 67
A11156
hypothetical protein lmo0657 [imported] - Listeria monocytogenes (strain EGD-e)
C;Species: Listeria monocytogenes
C;Date: 27-Nov-2001 #sequence_revision 27-Nov-2001 #text_change 09-Jul-2004
C;Accession: A11156
R;Glaser, P.; Frangeul, L.; Buchrieser, C.; Amend, A.; Baquero, F.; Berche, P.; Bloecker, D.; Dominguez-Bernal, G.; Duchaud, E.; Durand, L.; Dussurget, O.; Entian, K.D.; Fsihi, H.; Jones, L.N.; Karst, U.
Science 294, 849-852, 2001
A;Authors: Kreft, J.; Kuhn, M.; Kunst, F.; Kurapkut, G.; Madueno, E.; Maitournam, A.; Matok, C.; Schluter, T.; Simoes, N.; Tierrez, A.; Vazquez-Boland, J.A.; Voss, H.; Wehland, A.; Title: Comparative genomics of Listeria species.
A;Reference number: AB1077; MUID:21537279; PMID:11679669
A;Accession: A11156
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-138 <GLA>
A;Cross-references: UNIPROT:Q8Y976; GH:NC_003210; PIDN:CAC98735.1; PID:G16410046; GSPDB:C
A;Experimental source: strain EGD-e
C;Genetics:
A;Gene: lmo0657

Query Match 25.0%; Score 5; DB 2; Length 138;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 GWRWL 13
Db 74 GWRWL 78

RESULT 68
T39107
hypothetical protein SPAC824.06 - fission yeast (Schizosaccharomyces pombe)
C;Species: Schizosaccharomyces pombe
C;Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
C;Accession: T39107
R;Barrell, B.G.; Rajandream, M.A.; Quail, M.; Seegar, K.; Harris, D.
Submitted to the EMBL Data Library, October 1999
A;Reference number: Z21828
A;Accession: T39107
A;Status: preliminary; translated from GB/EMBL/DBJ
A;Molecule type: DNA
A;Residues: 1-140 <BAR>
A;Cross-references: UNIPROT:Q9UT37; EMBL:AL121741; PIDN:CAB57336.1; GSPDB:GN00066; SPDB:G
A;Experimental source: strain 972h-; cosmid c824
C;Genetics:
A;Gene: SPDB:SPAC824.06
A;Map position: 1
A;Introns: 1/3; 17/3

Query Match 25.0%; Score 5; DB 2; Length 140;
 Best Local Similarity 100.0%; Pred. No. 1.4e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWAL 8
 |||||
 DB 110 SSWAL 114

RESULT 69
 S23801
 pathogenesis-related protein P2 precursor - tomato
 C:Species: Lycopersicon esculentum (tomato)
 C>Date: 22-Nov-1993 #sequence_revision 14-Jul-1995 #text_change 09-Jul-2004
 C:Accession: S23801
 R:Linthorst, H.J.M.; Danhash, N.; Brederode, F.T.; van Kan, J.A.L.; de Wit, P.J.G.M.; Bo
 Mol. Plant Microbe Interact. 4, 586-592, 1991
 A:Title: Tobacco and tomato PR proteins homologous to win and pro-hevein lack the "heve
 A:Reference number: S23799; MUID:92208317; PMID:1804403
 A:Accession: S23801
 A>Status: preliminary
 A:Molecule type: mRNA
 A:Residues: 1-143 <LIN>
 A:Cross-references: UNIPROT:P32045; EMBL:X58548; NID:g19975; PIDN:CAA41439.1; PID:g19976
 C:Superfamily: pathogenesis-related protein 4A; barwin homology
 F:24-143/Domain: barwin homology <BAR>

Query Match 25.0%; Score 5; DB 2; Length 143;
 Best Local Similarity 100.0%; Pred. No. 1.5e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 RRYGW 18
 |||||
 DB 65 RRYGW 69

RESULT 70
 AE0812
 conserved hypothetical protein STY2685 [imported] - Salmonella enterica subsp. enterica
 C:Species: Salmonella enterica subsp. enterica serovar Typhi
 A:Note: this species has also been called Salmonella typhi
 C>Date: 09-Nov-2001 #sequence_revision 09-Nov-2001 #text_change 18-Nov-2002
 C:Accession: AE0812
 R:Parkhill, J.; Dougan, G.; James, K.D.; Thomson, N.R.; Pickard, D.; Wain, J.; Churcher,
 th, T.; Connerton, P.; Cronin, A.; Davis, P.; Davies, R.M.; Dowd, L.; White, N.; Farrar,
 S.; Moule, S.; O'Goara, P.
 Nature 413, 848-852, 2001
 A:Authors: Parry, C.; Quail, M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.;
 A:Title: Complete genome sequence of a multiple drug resistant Salmonella enterica serov
 A:Reference number: AB0502; MUID:21534947; PMID:11677608
 A:Accession: AE0812
 A>Status: preliminary
 A:Molecule type: DNA
 A:Residues: 1-149 <PAR>
 A:Cross-references: GB:AL513382; PIDN:CAD07679.1; PID:g16503665; GSPDB:GN00176
 C:Genetics:
 A:Gene: STY2685
 C:Superfamily: Escherichia coli hypothetical protein b2433

Query Match 25.0%; Score 5; DB 2; Length 149;
 Best Local Similarity 100.0%; Pred. No. 1.5e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLR 14
 |||||
 DB 88 WRWLR 92

RESULT 71
 T44544
 conserved hypothetical protein PA0621 [imported] - Pseudomonas aeruginosa
 C:Species: Pseudomonas aeruginosa
 C>Date: 31-Jan-2000 #sequence_revision 31-Jan-2000 #text_change 09-Jul-2004

C:Accession: T44544; C83567
 R:Nakayama, K.; Takashima, K.; Ishihara, H.; Shinomiya, T.; Kageyama, M.; Kanaya, S.; Oh
 submitted to the EMBL Data Library, August 1999
 A:Description: Genetic relationship between bacteriocins and bacteriophages.
 A:Reference number: Z22790
 A:Accession: T44544
 A>Status: preliminary; translated from GB/EMBL/DBJ
 A:Molecule type: DNA
 A:Residues: 1-152 <NAK>
 A:Cross-references: UNIPROT:Q9S575; EMBL:AB030825; PIDN:BAA63159.1
 A:Experimental source: strain PA01
 R:Stover, C.K.; Pham, X.Q.; Erwin, A.L.; Mizoguchi, S.D.; Warrenner, P.; Hickey, M.J.; Br
 adman, S.; Yuan, Y.; Brody, L.L.; Coulter, S.N.; Folger, K.R.; Kas, A.; Larbig, K.; Lim,
 ; Lory, S.; Olson, M.V.
 Nature 406, 959-964, 2000
 A:Title: Complete genome sequence of Pseudomonas aeruginosa PA01, an opportunistic patho
 A:Reference number: AB2950; MUID:20437337; PMID:10984043
 A:Accession: C83567
 A>Status: preliminary
 A:Molecule type: DNA
 A:Residues: 1-152 <STO>
 A:Cross-references: GB:AE004498; GB:AE004091; NID:g9946491; PIDN:AAG04010.1; GSPDB:GN001
 A:Experimental source: strain PA01
 C:Genetics:
 A:Gene: PA0621

Query Match 25.0%; Score 5; DB 2; Length 152;
 Best Local Similarity 100.0%; Pred. No. 1.5e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRY 16
 |||||
 DB 145 WLRRY 149

RESULT 72
 F69509
 hypothetical protein AF2079 - Archaeoglobus fulgidus
 C:Species: Archaeoglobus fulgidus
 C>Date: 05-Dec-1997 #sequence_revision 05-Dec-1997 #text_change 09-Jul-2004
 C:Accession: F69509
 R:Klenk, H.P.; Clayton, R.A.; Tomb, J.F.; White, O.; Nelson, K.E.; Ketchum, K.A.; Dodson
 ; Fleischmann, R.D.; Quackenbush, J.; Lee, N.H.; Sutton, G.G.; Gill, S.; Kirkness, E.F
 Glodek, A.; Zhou, L.; Overbeek, R.; Gocayne, J.D.; Weidman, J.F.; McDonald, L.
 Nature 390, 364-370, 1997
 A:Authors: Uitterback, T.; Cotton, M.D.; Spriggs, T.; Artiach, P.; Kaine, B.P.; Sykes, S.
 Smith, H.O.; Woese, C.R.; Venter, J.C.
 A:Title: The complete genome sequence of the hyperthermophilic, sulfate-reducing archaeo
 A:Reference number: A63250; MUID:98049343; PMID:9389475
 A:Accession: F69509
 A>Status: preliminary; nucleic acid sequence not shown; translation not shown
 A:Molecule type: DNA
 A:Residues: 1-152 <KLE>
 A:Cross-references: UNIPROT:O28200; GB:AE000960; GB:AE000782; NID:g2689283; PIDN:AAB8918

Query Match 25.0%; Score 5; DB 2; Length 152;
 Best Local Similarity 100.0%; Pred. No. 1.5e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ALGWR 11
 |||||
 DB 14 ALGWR 18

RESULT 73
 B83274
 phosphotyrosine protein phosphatase PA2978 [imported] - Pseudomonas aeruginosa (strain
 C:Species: Pseudomonas aeruginosa
 C>Date: 15-Sep-2000 #sequence_revision 15-Sep-2000 #text_change 09-Jul-2004
 C:Accession: B83274
 R:Stover, C.K.; Pham, X.Q.; Erwin, A.L.; Mizoguchi, S.D.; Warrenner, P.; Hickey, M.J.; Br
 adman, S.; Yuan, Y.; Brody, L.L.; Coulter, S.N.; Folger, K.R.; Kas, A.; Larbig, K.; Lim
 ; Lory, S.; Olson, M.V.

Nature 406, 959-964, 2000
 A;Title: Complete genome sequence of *Pseudomonas aeruginosa* PA01, an opportunistic pathogen
 A;Reference number: A82950; MUID:20437337; PMID:10984043
 A;Accession: B83274
 A;Status: preliminary
 A;Molecule type: DNA
 A;Residues: 1-154 <STO>
 A;Cross-references: UNIPROT:Q9HZM6; GB:AE004723; GB:AE004091; NID:99949067; PIDN:AAG0636
 A;Experimental source: strain PA01
 C;Genetics:
 A;Gene: p; PA2978
 C;Superfamily: protein-tyrosine-phosphatase, low molecular weight

Query Match 25.0%; Score 5; DB 2; Length 154;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYG 17
 |||||
 Db 111 LRRYG 115

RESULT 74

AG0754
 patch repair protein (EC 3.1.1.-.-) [imported] - *Salmonella enterica* subsp. *enterica* serovar Typhimurium
 C;Species: *Salmonella enterica* subsp. *enterica* serovar Typhi
 A;Note: this species has also been called *Salmonella typhi*
 C;Date: 09-Nov-2001 #sequence_revision 09-Nov-2001 #text_change 27-Oct-2003
 C;Accession: AG0754
 R;Parkhill, J.; Dougan, G.; James, K.D.; Thomson, N.R.; Pickard, D.; Wain, J.; Churcher, T.; Connor, P.; Cronin, A.; Davis, P.; Davies, R.M.; Dowd, L.; White, N.; Farrar, J.; Moule, S.; O'Gaora, P.
 Nature 413, 848-852, 2001
 A;Authors: Parry, C.; Quail, M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.; A;Title: Complete genome sequence of a multiple drug resistant *Salmonella enterica* serovar Typhimurium
 A;Reference number: AB0502; MUID:21534947; PMID:11677608
 A;Accession: AG0754
 A;Status: preliminary
 A;Molecule type: DNA
 A;Residues: 1-156 <PAR>
 A;Cross-references: GB:AL513382; PIDN:CAD05738.1; PID:GL503230; GSPDB:GN00176
 C;Genetics:
 A;Gene: STY2199
 C;Superfamily: very short patch repair endonuclease

Query Match 25.0%; Score 5; DB 2; Length 156;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ALGWR 11
 |||||
 Db 106 ALGWR 110

RESULT 75

E64008
 hypothetical protein HI0489 - *Haemophilus influenzae* (strain Rd KW20)
 C;Species: *Haemophilus influenzae*
 C;Date: 18-Aug-1995 #sequence_revision 18-Aug-1995 #text_change 09-Jul-2004
 C;Accession: E64008
 R;Fleischmann, R.D.; Adams, M.D.; White, O.; Clayton, R.A.; Kirkness, E.F.; Kerlavage, A.; Gocayne, J.D.; Scott, J.; Shirley, R.; Liu, L.I.; Glodek, A.; Kelley, J.M.; Weidman, J.; D.M.; Brandon, R.C.; Fine, L.D.; Fritchman, J.L.; Fuhrmann, J.L.; Geoghagen, N.S.M. Science 269, 496-512, 1995
 A;Authors: Gnehm, C.L.; McDonald, L.A.; Small, K.V.; Fraser, C.M.; Smith, H.O.; Venter, A;Title: Whole-genome random sequencing and assembly of *Haemophilus influenzae* Rd.
 A;Reference number: A64000; MUID:95350630; PMID:7542800
 A;Accession: E64008
 A;Status: nucleic acid sequence not shown; translation not shown
 A;Molecule type: DNA
 A;Residues: 1-157 <TIGR>
 A;Cross-references: UNIPROT:P44005; GB:U32731; GB:U42023; NID:g3212193; PIDN:AAC22148.1;
 C;Superfamily: hypothetical protein HI0489

Query Match 25.0%; Score 5; DB 2; Length 157;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYG 17
 |||||
 Db 99 LRRYG 103

Search completed: October 26, 2004, 07:23:32
 Job time : 17.5 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 26, 2004, 06:48:06 ; Search time 91.5 Seconds
(without alignments)
125.765 Million cell updates/sec

Title: US-10-066-965A-2

Perfect score: 20

Sequence: 1 QVSSWALGWRWLRRYGCM 20

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 1825181 seqs, 575374646 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1825181

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Database : Uniprot_02:*

1: uniprot_sprot:*

2: uniprot_trembl:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	8	40.0	297	2	Q910H7 pseudomonas
2	6	30.0	56	2	Q91NV9 hepatitis b
3	6	30.0	71	2	Q9WLC2 hepatitis b
4	6	30.0	73	2	Q9YXC7 hepatitis b
5	6	30.0	73	2	Q913A0 hepatitis b
6	6	30.0	73	2	Q913A1 hepatitis b
7	6	30.0	73	2	Q913A2 hepatitis b
8	6	30.0	74	2	Q88G85 pseudomonas
9	6	30.0	77	2	Q8QN71 ectocarpus
10	6	30.0	82	2	Q913I9 hepatitis b
11	6	30.0	83	2	Q913J0 hepatitis b
12	6	30.0	98	2	Q77XS6 hepatitis b
13	6	30.0	98	2	Q913F4 hepatitis b
14	6	30.0	98	2	Q9YX80 hepatitis b
15	6	30.0	98	2	Q9YX81 hepatitis b
16	6	30.0	98	2	Q9YX82 hepatitis b
17	6	30.0	98	2	Q9YX83 hepatitis b
18	6	30.0	98	2	Q91NV9 hepatitis b
19	6	30.0	99	2	Q91NV7 hepatitis b
20	6	30.0	99	2	Q91NV1 hepatitis b
21	6	30.0	99	2	Q91NV1 hepatitis b
22	6	30.0	99	2	Q91NV1 hepatitis b
23	6	30.0	100	2	Q6YXZ8 oryza sativ
24	6	30.0	100	2	Q8G7W5 bifidobacte
25	6	30.0	100	2	BAD17451 oryza sat
26	6	30.0	100	2	BAD17502 oryza sat
27	6	30.0	101	2	C624J8 oryza sativ
28	6	30.0	101	2	BAC83842 oryza sat
29	6	30.0	113	2	Q6JQW1 hepatitis b
30	6	30.0	113	2	Q6JQW3 hepatitis b
31	6	30.0	113	2	Q6JQW4 hepatitis b

32	6	30.0	113	2	Q6JQW5 hepatitis b
33	6	30.0	113	2	Q6JQW7 hepatitis b
34	6	30.0	113	2	Q6JQW8 hepatitis b
35	6	30.0	113	2	Q6JQW9 hepatitis b
36	6	30.0	113	2	Q6JQX0 hepatitis b
37	6	30.0	119	2	Q8BA66 hepatitis b
38	6	30.0	119	2	Q8BA67 hepatitis b
39	6	30.0	119	2	Q8JW5 hepatitis b
40	6	30.0	119	2	Q8JW6 hepatitis b
41	6	30.0	119	2	Q8JW7 hepatitis b
42	6	30.0	119	2	Q8JW9 hepatitis b
43	6	30.0	119	2	Q8JX0 hepatitis b
44	6	30.0	119	2	Q8JX1 hepatitis b
45	6	30.0	119	2	Q8JX2 hepatitis b
46	6	30.0	119	2	Q8JX3 hepatitis b
47	6	30.0	119	2	Q8JX4 hepatitis b
48	6	30.0	119	2	Q8JX7 hepatitis b
49	6	30.0	119	2	Q8JX8 hepatitis b
50	6	30.0	119	2	Q8JX9 hepatitis b
51	6	30.0	119	2	Q8JY0 hepatitis b
52	6	30.0	119	2	Q8JY1 hepatitis b
53	6	30.0	119	2	Q8JY3 hepatitis b
54	6	30.0	119	2	Q8JY4 hepatitis b
55	6	30.0	119	2	Q8JY5 hepatitis b
56	6	30.0	119	2	Q8JY6 hepatitis b
57	6	30.0	121	2	Q6YF40 hepatitis b
58	6	30.0	121	2	AA017894 hepatitis b
59	6	30.0	123	2	Q90137 marmota mon
60	6	30.0	132	2	Q752V2 hepatitis b
61	6	30.0	132	2	BAD12500 hepatitis b
62	6	30.0	142	1	U426 GAHV
63	6	30.0	143	2	Q8VWR7 hepatitis b
64	6	30.0	146	2	Q6ZSS0 homo sapien
65	6	30.0	146	2	BAC86876 hepatitis b
66	6	30.0	159	2	Q6W5E6 hepatitis b
67	6	30.0	159	2	AAQ86848 hepatitis b
68	6	30.0	162	2	Q840I0 pseudomonas
69	6	30.0	170	2	Q73NA1 treponema d
70	6	30.0	170	2	AA011772 treponema
71	6	30.0	185	2	Q8BDE8 hepatitis b
72	6	30.0	185	2	Q8BDE9 hepatitis b
73	6	30.0	185	2	Q8BDF0 hepatitis b
74	6	30.0	185	2	Q9DQV3 hepatitis b
75	6	30.0	185	2	Q9DQV4 hepatitis b
76	6	30.0	185	2	Q9DQV6 hepatitis b
77	6	30.0	185	2	Q9DQV7 hepatitis b
78	6	30.0	185	2	Q9DQV8 hepatitis b
79	6	30.0	185	2	Q9DQV9 hepatitis b
80	6	30.0	185	2	Q9DQW1 hepatitis b
81	6	30.0	185	2	Q9DQW2 hepatitis b
82	6	30.0	202	2	Q6W5E0 hepatitis b
83	6	30.0	202	2	Q6W5E2 hepatitis b
84	6	30.0	202	2	Q6W5E5 hepatitis b
85	6	30.0	202	2	AAQ86849 hepatitis b
86	6	30.0	202	2	AAQ86852 hepatitis b
87	6	30.0	202	2	AAQ86854 hepatitis b
88	6	30.0	207	2	P96682 bacillus su
89	6	30.0	219	2	Q6W5D2 hepatitis b
90	6	30.0	219	2	Q6W5D3 hepatitis b
91	6	30.0	219	2	Q6W5D5 hepatitis b
92	6	30.0	219	2	Q6W5D6 hepatitis b
93	6	30.0	219	2	Q6W5E7 hepatitis b
94	6	30.0	219	2	Q6W5E9 hepatitis b
95	6	30.0	219	2	Q6W5F0 hepatitis b
96	6	30.0	219	2	Q6W5F1 hepatitis b
97	6	30.0	219	2	AAQ86843 hepatitis b
98	6	30.0	219	2	AAQ86844 hepatitis b
99	6	30.0	219	2	AAQ86845 hepatitis b
100	6	30.0	219	2	AAQ86847 hepatitis b

ALIGNMENTS

```
RESULT 1
Q910H7 PRELIMINARY; PRT; 297 AA.
AC Q910H7;
DT 01-MAR-2001 (TrEMBLrel. 16, Created)
DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Hypothetical protein.
GN OrderedLocusNames=PA2661;
OS Pseudomonas aeruginosa.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
OC Pseudomonadaceae; Pseudomonas.
OX NCBI_TaxID=287;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=ATCC 15692 / PA01;
RX MEDLINE=20437337; PubMed=10984043;
RA Stover C.K., Pham X.-Q.T., Erwin A.L., Hufnagle W.O., Kowalik D.J., Lagrou M.,
RA Hickey M.J., Brinkman F.S.L., Hufnagle W.O., Kowalik D.J., Lagrou M.,
RA Garber R.L., Goltry L., Tolentino E., Westbrook-Wadman S., Yuan Y.,
RA Brody L.L., Coulter S.N., Folger K.R., Kas A., Larbig K., Lim R.M.,
RA Smith K.A., Spencer D.H., Wong G.K.-S., Wu Z., Paulsen I.T.,
RA Reizer J., Sailer M.H., Hancock R.B.W., Lory S., Olson M.V.;
RT "Complete genome sequence of Pseudomonas aeruginosa PA01, an
RT opportunistic pathogen."
RL Nature 406:959-964(2000).
DR EMBL; AF004695; AAC6049.1; -.
DR PIR; C83311; C83311.
KW Complete proteome; Hypothetical protein.
SQ SEQUENCE 297 AA; 33197 MW; 0DF94B92126D72D5 CRC64;

Query Match 40.0%; Score 8; DB 2; Length 297;
Best Local Similarity 100.0%; Pred. No. 0.57; Mismatches 0; Indels 0; Gaps 0;
Matches 8; Conservative 0;

QY 8 LGWRWLR 15
Db 72 LGWRWLR 79

RESULT 2
Q91NV9 PRELIMINARY; PRT; 56 AA.
AC Q91NV9;
DT 01-OCT-2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE HBSAg (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviridae; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX STRAIN=IG 63134.20;
RA Stuyver L., Van Geyt C., De Gendt S., Van Reybroeck G., Rossau R.;
RL Submitted (OCT-1998) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF102607; AAF80715.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surflag.
DR Pfam; PF00695; vmsa; 1.
KW Antigen.
FT NON_TER 1
SQ SEQUENCE 56 AA; 5777 MW; 7C33FDDCD4B1F179 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 56;
Best Local Similarity 100.0%; Pred. No. 25; Mismatches 0; Indels 0; Gaps 0;
Matches 6; Conservative 0;

QY 4 SSWALG 9
Db 46 SSWALG 51
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RESULT 3
Q9WLO2 PRELIMINARY; PRT; 71 AA.
AC Q9WLO2;
DT 01-NOV-1999 (TrEMBLrel. 12, Created)
DT 01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviridae; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=98449868; PubMed=9774595;
RA Mbayed V.A., Lopez J.L., Telenta P.F.S., Palacios G., Badia I.,
RA Ferro A., Galoppo C., Campos R.;
RT "Distribution of hepatitis B virus genotypes in two different
RT pediatric populations from Argentina."
RL J. Clin. Microbiol. 36:3362-3365(1998).
DR EMBL; AF043569; AAC79970.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surflag.
DR Pfam; PF00695; vmsa; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 71
SQ SEQUENCE 71 AA; 7759 MW; AD0DA423DC839B6F CRC64;

Query Match 30.0%; Score 6; DB 2; Length 71;
Best Local Similarity 100.0%; Pred. No. 31; Mismatches 0; Indels 0; Gaps 0;
Matches 6; Conservative 0;

QY 4 SSWALG 9
Db 39 SSWALG 44

RESULT 4
Q9YXC7 PRELIMINARY; PRT; 73 AA.
AC Q9YXC7;
DT 01-MAY-1999 (TrEMBLrel. 10, Created)
DT 01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviridae; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=98449868; PubMed=9774595;
RA Mbayed V.A., Lopez J.L., Telenta P.F.S., Palacios G., Badia I.,
RA Ferro A., Galoppo C., Campos R.;
RT "Distribution of hepatitis B virus genotypes in two different
RT pediatric populations from Argentina."
RL J. Clin. Microbiol. 36:3362-3365(1998).
DR EMBL; AF043565; AAC79966.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surflag.
DR Pfam; PF00695; vmsa; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 73
SQ SEQUENCE 73 AA; 7961 MW; 194DE0279C879B1E CRC64;

Query Match 30.0%; Score 6; DB 2; Length 73;
Best Local Similarity 100.0%; Pred. No. 32; Mismatches 0; Indels 0; Gaps 0;
Matches 6; Conservative 0;

QY 4 SSWALG 9
Db 41 SSWALG 45
```

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RESULT 5
Q913A0
ID Q913A0 PRELIMINARY; PRT; 73 AA.
AC Q913A0;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RA Hijar Guerra G., Padilla Rojas C.P., Suarez Jara M.A.,
RA Cabezas Sanchez C.A.;
RL Submitted (NOV-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY059398; AAL26698.2; -
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 73 73
SQ SEQUENCE 73 AA; 7823 MW; 26A723DE136F0F8C CRC64;

Query Match 30.0%; Score 6; DB 2; Length 73;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 47 SSWALG 52

RESULT 6
Q913A1
ID Q913A1 PRELIMINARY; PRT; 73 AA.
AC Q913A1;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RA Hijar Guerra G., Padilla Rojas C.P., Suarez Jara M.A.,
RA Cabezas Sanchez C.A.;
RL Submitted (NOV-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY059397; AAL26697.2; -
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 73 73
SQ SEQUENCE 73 AA; 7823 MW; 26A723DE136F0F8C CRC64;

Query Match 30.0%; Score 6; DB 2; Length 73;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 47 SSWALG 52

RESULT 7
Q913A2
ID Q913A2 PRELIMINARY; PRT; 73 AA.

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Q913A2;
AC Q913A2;
DT 01-DEC-2001 (TrEMBLrel. 19, Created)
DT 01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RA Hijar Guerra G., Padilla Rojas C.P., Suarez Jara M.A.,
RA Cabezas Sanchez C.A.;
RL Submitted (NOV-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY059396; AAL26696.2; -
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 73 73
SQ SEQUENCE 73 AA; 7823 MW; 26A723DE136F0F8C CRC64;

Query Match 30.0%; Score 6; DB 2; Length 73;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 47 SSWALG 52

RESULT 8
Q88G85
ID Q88G85 PRELIMINARY; PRT; 74 AA.
AC Q88G85;
DT 01-JUN-2003 (TrEMBLrel. 24, Created)
DT 01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Hypothetical protein.
GN OrderedLocusNames=PP3840;
OS Pseudomonas putida (strain KT2440).
OC Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
OC Pseudomonadaceae; Pseudomonas.
OX NCBI_TaxID=160488;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22423060; PubMed=12534463;
RA Nelson K.E., Weinel C., Paulsen I.T., Dodson R.J., Hilbert H.,
RA Martins dos Santos V.A.P., Fouts D.E., Gill S.R., Pop M., Holmes M.,
RA Brinkac L.M., Beanan M.J., DeBoy R.T., Daugherty S.C., Kolonay J.F.,
RA Madupu R., Nelson W.C., White O., Peterson J.D., Khouri H.M.,
RA Hance I., Chris Lee P., Holtzapple E.K., Scanlan D., Iran K.,
RA Moarrez A., Utterback T.R., Rizzo M., Lee K., Kosack D., Moestl D.,
RA Medler H., Lauber J., Stjepandic D., Hohnselt J., Straetz M., Heim S.,
RA Kiewitz C., Eisen J.A., Timmis K.N., Dueterhoeft A., Tuemmler B.,
RA Fraser C.M.;
RT "Complete genome sequence and comparative analysis of the
RT metabolically versatile Pseudomonas putida KT2440."
RL Environ. Microbiol. 4:799-808(2002).
DR EMBL; AE016788; AAN69434.1; -
DR TIGR; PP3840; -
KW Complete proteome; Hypothetical protein.
SQ SEQUENCE 74 AA; 8550 MW; 5F7FEBF863468BD4 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 74;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRYYG 17
Db 69 WLRYYG 74

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RESULT 9
Q8QN71
ID Q8QN71 PRELIMINARY; PRT; 77 AA.
AC Q8QN71;
DT 01-JUN-2002 (TRENBLrel. 21, Created)
DT 01-JUN-2002 (TRENBLrel. 21, Last sequence update)
DE 01-JUN-2002 (TRENBLrel. 21, Last annotation update)
DE Esv-1-219.
GN Name=ORF 219;
OS Ectocarpus siliculosus virus.
OC Viruses; dsDNA viruses, no RNA stage; Phycodnaviridae; Phaeovirus.
OX NCBI_TaxID=37665;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=Esv-1;
RA Delaroque N., Bothe G., Pohl T., Knippers R., Mueller D.G., Bolland W.;
RL Submitted (MAR-2001) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF204951; AAK14633.1; -.
SQ SEQUENCE 77 AA; 9075 MW; 2D7B8BF96D113B2C CRC64;

Query Match 30.0%; Score 6; DB 2; Length 77;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVWSSW 6
Db 23 QVWSSW 28
|||||

RESULT 10
Q913I9
ID Q913I9 PRELIMINARY; PRT; 82 AA.
AC Q913I9;
DT 01-DEC-2001 (TRENBLrel. 19, Created)
DT 01-DEC-2001 (TRENBLrel. 19, Last sequence update)
DE 01-JUN-2003 (TRENBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21642377; PubMed=11782923;
RA van Steenberg J.E., Niesters H.G.M., Op de Coul E.L.M.,
RA van Doornum G.J.J., Osterhaus A.D.M.E., Leentvaar-Kuijpers A.,
RA Coutinho R.A., van den Hoek J.A.R.;
RT "Molecular epidemiology of hepatitis B virus in Amsterdam 1992-1997.";
RL J. Med. Virol. 66:159-165(2002).
DR EMBL; AY048641; AAL06222.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR00349; Hepvir_surfa.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 82
SQ SEQUENCE 82 AA; 9070 MW; 0532646A3D2D4847 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 82;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 39 SSWALG 44
|||||

RESULT 11
Q913J0
ID Q913J0 PRELIMINARY; PRT; 83 AA.
AC Q913J0;
DT 01-DEC-2001 (TRENBLrel. 19, Created)
DT 01-DEC-2001 (TRENBLrel. 19, Last sequence update)
DE 01-JUN-2003 (TRENBLrel. 24, Last annotation update)
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21642377; PubMed=11782923;
RA van Steenberg J.E., Niesters H.G.M., Op de Coul E.L.M.,
RA van Doornum G.J.J., Osterhaus A.D.M.E., Leentvaar-Kuijpers A.,
RA Coutinho R.A., van den Hoek J.A.R.;
RT "Molecular epidemiology of hepatitis B virus in Amsterdam 1992-1997.";
RL J. Med. Virol. 66:159-165(2002).
DR EMBL; AY048641; AAL06222.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR00349; Hepvir_surfa.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 82
SQ SEQUENCE 82 AA; 9070 MW; 0532646A3D2D4847 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 82;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 39 SSWALG 44
|||||

RESULT 12
Q77XS6
ID Q77XS6 PRELIMINARY; PRT; 98 AA.
AC Q77XS6;
DT 05-JUL-2004 (TRENBLrel. 27, Created)
DT 05-JUL-2004 (TRENBLrel. 27, Last sequence update)
DE 05-JUL-2004 (TRENBLrel. 27, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=299774;
RA Van Geyt C., De Gendt S., Rombout A., Wyseur A., Maertens G.,
RA Rossau R., Stuyver L.;
RL Submitted (JAN-1998) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF045010; AAD02372.1; -.
FT NON_TER 1
FT NON_TER 98
SQ SEQUENCE 98 AA; 10901 MW; 1CF8D068D337A646 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 98;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 46 SSWALG 51
|||||

RESULT 13
Q9YIF4
ID Q9YIF4 PRELIMINARY; PRT; 98 AA.
AC Q9YIF4;
DT 01-MAY-1999 (TRENBLrel. 10, Created)
DT 01-MAY-1999 (TRENBLrel. 10, Last sequence update)
DE 01-JUN-2003 (TRENBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]

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DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21642377; PubMed=11782923;
RA van Steenberg J.E., Niesters H.G.M., Op de Coul E.L.M.,
RA van Doornum G.J.J., Osterhaus A.D.M.E., Leentvaar-Kuijpers A.,
RA Coutinho R.A., van den Hoek J.A.R.;
RT "Molecular epidemiology of hepatitis B virus in Amsterdam 1992-1997.";
RL J. Med. Virol. 66:159-165(2002).
DR EMBL; AY048640; AAL06221.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR00349; Hepvir_surfa.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 83
SQ SEQUENCE 83 AA; 9183 MW; 082532646A3D2D48 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 83;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 39 SSWALG 44
|||||

RESULT 12
Q77XS6
ID Q77XS6 PRELIMINARY; PRT; 98 AA.
AC Q77XS6;
DT 05-JUL-2004 (TRENBLrel. 27, Created)
DT 05-JUL-2004 (TRENBLrel. 27, Last sequence update)
DE 05-JUL-2004 (TRENBLrel. 27, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=299774;
RA Van Geyt C., De Gendt S., Rombout A., Wyseur A., Maertens G.,
RA Rossau R., Stuyver L.;
RL Submitted (JAN-1998) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF045010; AAD02372.1; -.
FT NON_TER 1
FT NON_TER 98
SQ SEQUENCE 98 AA; 10901 MW; 1CF8D068D337A646 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 98;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 46 SSWALG 51
|||||

RESULT 13
Q9YIF4
ID Q9YIF4 PRELIMINARY; PRT; 98 AA.
AC Q9YIF4;
DT 01-MAY-1999 (TRENBLrel. 10, Created)
DT 01-MAY-1999 (TRENBLrel. 10, Last sequence update)
DE 01-JUN-2003 (TRENBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]

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RP SEQUENCE FROM N.A.
 RC STRAIN=29976;
 RA Van Geyt C., De Gendt S., Rombout A., Wyseur A., Maertens G.,
 RL Rossau R., Stuyver L.;
 RA Submitted (JAN-1998) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF045011; AAD02373.1; -
 DR GO; GO:0016032; P:Viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfa.
 DR Pfam; PF00695; vmsa; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 98 98
 SQ SEQUENCE 98 AA; 10901 MW; 1CF80068D337A646 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 98;
 Best Local Similarity 100.0%; Pred. No. 41;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 Db 46 SSWALG 51

RESULT 14
 Q9YX80 PRELIMINARY; PRT; 98 AA.
 ID Q9YX80;
 AC Q9YX80;
 DT 01-MAY-1999 (TrEMBLrel. 10, Created)
 DT 01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE Surface antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=29981;
 RA Van Geyt C., De Gendt S., Rombout A., Wyseur A., Maertens G.,
 RL Rossau R., Stuyver L.;
 RL Submitted (JAN-1998) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF045013; AAD02375.1; -
 DR GO; GO:0016032; P:Viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfa.
 DR Pfam; PF00695; vmsa; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 98 98
 SQ SEQUENCE 98 AA; 10899 MW; E7704BEA5192E1BB CRC64;

Query Match 30.0%; Score 6; DB 2; Length 98;
 Best Local Similarity 100.0%; Pred. No. 41;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 Db 46 SSWALG 51

RESULT 15
 Q9YX81 PRELIMINARY; PRT; 98 AA.
 ID Q9YX81;
 AC Q9YX81;
 DT 01-MAY-1999 (TrEMBLrel. 10, Created)
 DT 01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE Surface antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=29979;
 RA Van Geyt C., De Gendt S., Rombout A., Wyseur A., Maertens G.,

RA Rossau R., Stuyver L.;
 RL Submitted (JAN-1998) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF045012; AAD02374.1; -
 DR GO; GO:0016032; P:Viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfa.
 DR Pfam; PF00695; vmsa; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 98 98
 SQ SEQUENCE 98 AA; 10887 MW; C0BBBCD7D9187A5AE CRC64;

Query Match 30.0%; Score 6; DB 2; Length 98;
 Best Local Similarity 100.0%; Pred. No. 41;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 Db 46 SSWALG 51

RESULT 16
 Q9YX82 PRELIMINARY; PRT; 98 AA.
 ID Q9YX82;
 AC Q9YX82;
 DT 01-MAY-1999 (TrEMBLrel. 10, Created)
 DT 01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE Surface antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=29185;
 RA Van Geyt C., De Gendt S., Rombout A., Wyseur A., Maertens G.,
 RL Rossau R., Stuyver L.;
 RL Submitted (JAN-1998) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF045009; AAD02371.1; -
 DR GO; GO:0016032; P:Viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfa.
 DR Pfam; PF00695; vmsa; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 98 98
 SQ SEQUENCE 98 AA; 10886 MW; 58802E735F17FD3A CRC64;

Query Match 30.0%; Score 6; DB 2; Length 98;
 Best Local Similarity 100.0%; Pred. No. 41;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 Db 46 SSWALG 51

RESULT 17
 Q9YX83 PRELIMINARY; PRT; 98 AA.
 ID Q9YX83;
 AC Q9YX83;
 DT 01-MAY-1999 (TrEMBLrel. 10, Created)
 DT 01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE Surface antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=22298;
 RA Van Geyt C., De Gendt S., Rombout A., Wyseur A., Maertens G.,
 RL Rossau R., Stuyver L.;
 RL Submitted (JAN-1998) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF045008; AAD02370.1; -

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DR GO:0016032; P:Viral life cycle; IEA.
DR InterPro: IPR000349; Hepvir_surfaG.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 98 98
SQ SEQUENCE 98 AA; 10878 MW; 01B55868C192FABE CRC64;

Query Match 30.0%; Score 6; DB 2; Length 98;
Best Local Similarity 100.0%; Pred.No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 46 SSWALG 51

RESULT 18
Q9INX9 PRELIMINARY; PRT; 98 AA.
AC Q9INX9;
DT 01-OCT-2000 (TReMBLrel. 15, Created)
DT 01-OCT-2000 (TReMBLrel. 15, Last sequence update)
DT 01-JUN-2003 (TReMBLrel. 24, Last annotation update)
DE HBSAg (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=ICCG 3702;
RA Stuyver L., Van Geyt C., De Gendt S., Van Reybroeck G., Rossau R.;
RL Submitted (OCT-1998) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF102597; AAF80695.1; -.
DR GO:0016032; P:Viral life cycle; IEA.
DR InterPro: IPR000349; Hepvir_surfaG.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 98 98
SQ SEQUENCE 98 AA; 10758 MW; EA69315B0AECF8D4 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 98;
Best Local Similarity 100.0%; Pred.No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 46 SSWALG 51

RESULT 19
Q9INV5 PRELIMINARY; PRT; 99 AA.
AC Q9INV5;
DT 01-OCT-2000 (TReMBLrel. 15, Created)
DT 01-OCT-2000 (TReMBLrel. 15, Last sequence update)
DT 01-JUN-2003 (TReMBLrel. 24, Last annotation update)
DE HBSAg (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=IG 63135.20;
RA Stuyver L., Van Geyt C., De Gendt S., Van Reybroeck G., Rossau R.;
RL Submitted (OCT-1998) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF102609; AAF80719.1; -.
DR GO:0016032; P:Viral life cycle; IEA.
DR InterPro: IPR000349; Hepvir_surfaG.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 99 99
SQ SEQUENCE 99 AA; 11112 MW; DD4F202E6F1E5E1 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 99;
Best Local Similarity 100.0%; Pred.No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 46 SSWALG 51

RESULT 20
Q9INV7 PRELIMINARY; PRT; 99 AA.
AC Q9INV7;
DT 01-OCT-2000 (TReMBLrel. 15, Created)
DT 01-OCT-2000 (TReMBLrel. 15, Last sequence update)
DT 01-JUN-2003 (TReMBLrel. 24, Last annotation update)
DE HBSAg (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=IG 63135.20;
RA Stuyver L., Van Geyt C., De Gendt S., Van Reybroeck G., Rossau R.;
RL Submitted (OCT-1998) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF102608; AAF80717.1; -.
DR GO:0016032; P:Viral life cycle; IEA.
DR InterPro: IPR000349; Hepvir_surfaG.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 99 99
SQ SEQUENCE 99 AA; 11040 MW; DD4F202CCD3BCFE1 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 99;
Best Local Similarity 100.0%; Pred.No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 46 SSWALG 51

RESULT 21
Q9INW1 PRELIMINARY; PRT; 99 AA.
AC Q9INW1;
DT 01-OCT-2000 (TReMBLrel. 15, Created)
DT 01-OCT-2000 (TReMBLrel. 15, Last sequence update)
DT 01-JUN-2003 (TReMBLrel. 24, Last annotation update)
DE HBSAg (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=IG 63133.20;
RA Stuyver L., Van Geyt C., De Gendt S., Van Reybroeck G., Rossau R.;
RL Submitted (OCT-1998) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF102606; AAF80713.1; -.
DR GO:0016032; P:Viral life cycle; IEA.
DR InterPro: IPR000349; Hepvir_surfaG.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 99 99
SQ SEQUENCE 99 AA; 11112 MW; DD4F202E6F1E5E1 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 99;
Best Local Similarity 100.0%; Pred.No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 46 SSWALG 51

```


Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 46 SSWALG 51

RESULT 22

ID Q9INV1 PRELIMINARY; PRT; 99 AA.
AC Q9INV1; 2000 (TrEMBLrel. 15, Created)
DT 01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE HBSAg (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=CCG 3813;
RA Stuyver L., Van Gevt C., De Gendt S., Van Reybroeck G., Rossau R.;
RL Submitted (OCT-1998) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF102596; AAR0693.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfac.
DR Pfam; PF00695; vmsa; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 99
SQ SEQUENCE 99 AA; 11004 MW; 8F67704BEF4592B1 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 99;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 46 SSWALG 51

RESULT 23

ID Q6YXZ8 PRELIMINARY; PRT; 100 AA.
AC Q6YXZ8;
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE Hypothetical protein OSJNBb0056122.58 (Hypothetical protein
OSJNBb0046012.18).
GN Name=OSJNBb0056122.58; Synonyms=OSJNBb0046012.18;
OS Oryza sativa (japonica cultivar-group).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
OC Ehrhartoideae; Oryzaeae; Oryza.
OX NCBI_TaxID=39947;
RN [1]
RP SEQUENCE FROM N.A.
RC Sasaki T., Matsumoto T., Katayose Y.;
RL Submitted (AUG-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AP005644; BAD17502.1; -.
DR EMBL; AP005643; BAD17451.1; -.
KW Hypothetical protein.
SQ SEQUENCE 100 AA; 10960 MW; CC21D0B5AFBD0B4D CRC64;

Query Match 30.0%; Score 6; DB 2; Length 100;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLR 15
Db 19 WRWLR 24

RESULT 24

ID Q8G7W5 PRELIMINARY; PRT; 100 AA.
AC Q8G7W5;
DT 01-MAR-2003 (TrEMBLrel. 23, Created)
DT 01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Hypothetical protein
GN OrderedLocusNames=BLO120;
OS Bifidobacterium longum.
OC Bacteria; Actinobacteria; Actinobacteridae; Bifidobacteriales;
OC Bifidobacteriaceae; Bifidobacterium.
OX NCBI_TaxID=216816;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=NCC 2705;
RX MEDLINE=22294977; PubMed=12381787;
RA Schell M.A., Karmirantzou M., Snel B., Vilanova D., Berger B.,
RA Pessi G., Zwhlen M.-C., Desiere F., Bork P., Delley M.,
RA Pridmore R.D., Arigoni F.;
RT "The genome sequence of Bifidobacterium longum reflects its adaptation
to the human gastrointestinal tract."
RL Proc. Natl. Acad. Sci. U.S.A. 99:14422-14427(2002).
DR EMBL; AR014627; AAN23985.1; -.
DR GO; GO:0016020; C:membrane; IEA.
DR InterPro; IPR003425; Unk_YGGT.
DR Pfam; PF02325; YGGT; 1.
KW Complete proteome; Hypothetical protein.
SQ SEQUENCE 100 AA; 11654 MW; 7B219E7C9B016BF9 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 100;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 RWLRR 16
Db 62 RWLRR 67

RESULT 25

ID BAD17451 PRELIMINARY; PRT; 100 AA.
AC BAD17451;
DT 10-MAY-2004 (TrEMBLrel. 27, Created)
DT 10-MAY-2004 (TrEMBLrel. 27, Last sequence update)
DT 10-MAY-2004 (TrEMBLrel. 27, Last annotation update)
DE Hypothetical protein OSJNBb0046012.18.
GN OSJNBb0046012.18.
OS Oryza sativa (japonica cultivar-group).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
OC Ehrhartoideae; Oryzaeae; Oryza.
OX NCBI_TaxID=39947;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=cv. Nipponbare;
RA Sasaki T., Matsumoto T., Katayose Y.;
RT "Oryza sativa nipponbare (GA3) genomic DNA, chromosome 2, BAC
clone:OSJNBb0046012.18";
RL Submitted (AUG-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AP005643; BAD17451.1; -.
KW Hypothetical protein.
SQ SEQUENCE 100 AA; 10960 MW; CC21D0B5AFBD0B4D CRC64;

Query Match 30.0%; Score 6; DB 2; Length 100;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLR 15
Db 19 WRWLR 24

RESULT 26

BAD17502
 ID BAD17502 PRELIMINARY; PRT; 100 AA.
 AC BAD17502;
 DT 10-MAY-2004 (TREMBlrel. 27, Created)
 DT 10-MAY-2004 (TREMBlrel. 27, Last sequence update)
 DT 10-MAY-2004 (TREMBlrel. 27, Last annotation update)
 DE Hypothetical protein OSJNB0056122.58.
 GN OSJNB0056122.58.
 OS Oryza sativa (japonica cultivar-group).
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 OC Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
 OC Ehrhartoideae; Oryzae; Oryza; Oryza sativa.
 OX NCBI_TaxID=39947;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=cv. Nipponbare;
 RA Sasaki T., Matsumoto T., Katayose Y.;
 RT "Oryza sativa nipponbare(GA3) genomic DNA, chromosome 2, BAC
 clone:OSJNB0056122.";
 RL Submitted (AUG-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AP005644; BAD17502.1; -.
 KW Hypothetical protein.
 SQ SEQUENCE 100 AA; 10960 MW; CC21D0B5AFBD0E4D CRC64;

Query Match 30.0%; Score 6; DB 2; Length 100;
 Best Local Similarity 100.0%; Pred. No. 41;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLRR 15
 Db 19 WRWLRR 24

RESULT 27

Q6Z4J8
 ID Q6Z4J8 PRELIMINARY; PRT; 101 AA.
 AC Q6Z4J8;
 DT 05-JUL-2004 (TREMBlrel. 27, Created)
 DT 05-JUL-2004 (TREMBlrel. 27, Last sequence update)
 DT 05-JUL-2004 (TREMBlrel. 27, Last annotation update)
 DE Hypothetical protein OSJNB0002J01.11.
 GN Name=OSJNB0002J01.11;
 OS Oryza sativa (japonica cultivar-group).
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 OC Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
 OC Ehrhartoideae; Oryzae; Oryza.
 OX NCBI_TaxID=39947;
 RN [1]
 RP SEQUENCE FROM N.A.
 RA Sasaki T., Matsumoto T., Katayose Y.;
 RL Submitted (MAY-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AP005172; BAC83842.1; -.
 KW Hypothetical protein.
 SQ SEQUENCE 101 AA; 10261 MW; 238F8F70BF4D8092 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 101;
 Best Local Similarity 100.0%; Pred. No. 42;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLRR 15
 Db 66 WRWLRR 71

RESULT 28

BAC83842
 ID BAC83842 PRELIMINARY; PRT; 101 AA.
 AC BAC83842;
 DT 02-MAR-2004 (TREMBlrel. 27, Created)
 DT 02-MAR-2004 (TREMBlrel. 27, Last sequence update)
 DT 02-MAR-2004 (TREMBlrel. 27, Last annotation update)

DE Hypothetical protein OSJNB0002J01.11.
 GN OSJNB0002J01.11.
 OS Oryza sativa (japonica cultivar-group).
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 OC Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
 OC Ehrhartoideae; Oryzae; Oryza; Oryza sativa.
 OX NCBI_TaxID=39947;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=cv. Nipponbare;
 RA Sasaki T., Matsumoto T., Katayose Y.;
 RT "Oryza sativa nipponbare(GA3) genomic DNA, chromosome 7, BAC
 clone:OSJNB0002J01.";
 RL Submitted (MAY-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AP005172; BAC83842.1; -.
 KW Hypothetical protein.
 SQ SEQUENCE 101 AA; 10261 MW; 238F8F70BF4D8092 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 101;
 Best Local Similarity 100.0%; Pred. No. 42;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLRR 15
 Db 66 WRWLRR 71

RESULT 29

Q6JQW1
 ID Q6JQW1 PRELIMINARY; PRT; 113 AA.
 AC Q6JQW1;
 DT 05-JUL-2004 (TREMBlrel. 27, Created)
 DT 05-JUL-2004 (TREMBlrel. 27, Last sequence update)
 DT 05-JUL-2004 (TREMBlrel. 27, Last annotation update)
 DE S protein (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX PubMed=15184419;
 RA Sitnik R., Rebello Pinho J.R., Bertolini D.A., Bernardini A.P.,
 Da Silva L.C., Carrilho F.J.;
 RT "Hepatitis B virus genotypes and precore and core mutants in Brazilian
 patients.";
 RL J. Clin. Microbiol. 42:2455-2460(2004).
 DR EMBL; AY323405; AAC97022.1; -.
 DR InterPro; IPR000349; Hepvir_surfaG.
 DR Pfam; PF00695; vWSA; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 113 113
 SQ SEQUENCE 113 AA; 12242 MW; F1B5DA4F0D5E50E2 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 113;
 Best Local Similarity 100.0%; Pred. No. 46;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 Db 105 SSWALG 110

RESULT 30

Q6JQW3
 ID Q6JQW3 PRELIMINARY; PRT; 113 AA.
 AC Q6JQW3;
 DT 05-JUL-2004 (TREMBlrel. 27, Created)
 DT 05-JUL-2004 (TREMBlrel. 27, Last sequence update)
 DT 05-JUL-2004 (TREMBlrel. 27, Last annotation update)
 DE S protein (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.

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OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX PubMed=15184419;
RA Sitnik R., Rebello Pinho J.R., Bertolini D.A., Bernardini A.P.,
DA Silva L.C., Carrilho F.J.;
RT "Hepatitis B virus genotypes and precore and core mutants in Brazilian
patients.";
RL J. Clin. Microbiol. 42:2455-2460(2004).
DR EMBL: AY323403; AAQ97020.1; -.
DR InterPro: IPR000349; Hepvir_surfaG.
DR Pfam: PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 113 113
SQ SEQUENCE 113 AA; 12242 MW; 11B6DA4F0D5E50E2 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 105 SSWALG 110

RESULT 31
Q6JQW4 PRELIMINARY; PRT; 113 AA.
ID Q6JQW4
AC Q6JQW4;
DT 05-JUL-2004 (TEMBLrel. 27, Created)
DT 05-JUL-2004 (TEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TEMBLrel. 27, Last annotation update)
DE S protein (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX PubMed=15184419;
RA Sitnik R., Rebello Pinho J.R., Bertolini D.A., Bernardini A.P.,
DA Silva L.C., Carrilho F.J.;
RT "Hepatitis B virus genotypes and precore and core mutants in Brazilian
patients.";
RL J. Clin. Microbiol. 42:2455-2460(2004).
DR EMBL: AY323402; AAQ97019.1; -.
DR InterPro: IPR000349; Hepvir_surfaG.
DR Pfam: PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 113 113
SQ SEQUENCE 113 AA; 12242 MW; 11B6DA4F0D5E50E2 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 105 SSWALG 110

RESULT 32
Q6JQW5 PRELIMINARY; PRT; 113 AA.
ID Q6JQW5
AC Q6JQW5;
DT 05-JUL-2004 (TEMBLrel. 27, Created)
DT 05-JUL-2004 (TEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TEMBLrel. 27, Last annotation update)
DE S protein (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX PubMed=15184419;
RA Sitnik R., Rebello Pinho J.R., Bertolini D.A., Bernardini A.P.,
DA Silva L.C., Carrilho F.J.;
RT "Hepatitis B virus genotypes and precore and core mutants in Brazilian
patients.";
RL J. Clin. Microbiol. 42:2455-2460(2004).
DR EMBL: AY323401; AAQ97018.1; -.
DR InterPro: IPR000349; Hepvir_surfaG.
DR Pfam: PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 113 113
SQ SEQUENCE 113 AA; 12273 MW; 11A39B1B1AF32A22 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 105 SSWALG 110

RESULT 33
Q6JQW7 PRELIMINARY; PRT; 113 AA.
ID Q6JQW7
AC Q6JQW7;
DT 05-JUL-2004 (TEMBLrel. 27, Created)
DT 05-JUL-2004 (TEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TEMBLrel. 27, Last annotation update)
DE S protein (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX PubMed=15184419;
RA Sitnik R., Rebello Pinho J.R., Bertolini D.A., Bernardini A.P.,
DA Silva L.C., Carrilho F.J.;
RT "Hepatitis B virus genotypes and precore and core mutants in Brazilian
patients.";
RL J. Clin. Microbiol. 42:2455-2460(2004).
DR EMBL: AY323399; AAQ97016.1; -.
DR InterPro: IPR000349; Hepvir_surfaG.
DR Pfam: PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1 1
FT NON_TER 113 113
SQ SEQUENCE 113 AA; 12256 MW; 86B6DA4F0D5E5E2 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 105 SSWALG 110

RESULT 34
Q6JQW8 PRELIMINARY; PRT; 113 AA.
ID Q6JQW8
AC Q6JQW8;
DT 05-JUL-2004 (TEMBLrel. 27, Created)
DT 05-JUL-2004 (TEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TEMBLrel. 27, Last annotation update)
DE S protein (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]

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RP SEQUENCE FROM N.A.
RX PubMed=15184419;
RA Sitnik R., Rebello Pinho J.R., Bertolini D.A., Bernardini A.P.,
RA Da Silva L.C., Carrilho F.J.;
RT "Hepatitis B virus genotypes and precore and core mutants in Brazilian
RT patients.";
RL J. Clin. Microbiol. 42:2455-2460(2004).
DR EMBL; AY323398; AAO97015.1; -.
FT NON_TER 1
FT NON_TER 113
SQ SEQUENCE 113 AA; 12300 MW; 7DBE08D8010B72FB CRC64;

Query Match 30.0%; Score 6; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 105 SSWALG 110

RESULT 35
Q6JQW9 PRELIMINARY; PRT; 113 AA.
AC Q6JQW9;
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE S protein (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX PubMed=15184419;
RA Sitnik R., Rebello Pinho J.R., Bertolini D.A., Bernardini A.P.,
RA Da Silva L.C., Carrilho F.J.;
RT "Hepatitis B virus genotypes and precore and core mutants in Brazilian
RT patients.";
RL J. Clin. Microbiol. 42:2455-2460(2004).
DR EMBL; AY323397; AAO97014.1; -.
DR InterPro; IPR000349; Hepvir_surfaG.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 113
SQ SEQUENCE 113 AA; 12242 MW; F1B6DA4F0D5E50E2 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 105 SSWALG 110

RESULT 36
Q6JQX0 PRELIMINARY; PRT; 113 AA.
AC Q6JQX0;
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE S protein (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX PubMed=15184419;
RA Sitnik R., Rebello Pinho J.R., Bertolini D.A., Bernardini A.P.,
RA Da Silva L.C., Carrilho F.J.;

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RT "Hepatitis B virus genotypes and precore and core mutants in Brazilian
RT patients.";
RL J. Clin. Microbiol. 42:2455-2460(2004).
DR EMBL; AY323396; AAO97013.1; -.
DR InterPro; IPR000349; Hepvir_surfaG.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 113
SQ SEQUENCE 113 AA; 12242 MW; F1B6DA4F0D5E50E2 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 113;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 105 SSWALG 110

RESULT 37
Q8BA66 PRELIMINARY; PRT; 119 AA.
AC Q8BA66;
DT 01-MAR-2003 (TrEMBLrel. 23, Created)
DT 01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=294_99;
RA Lyra A.C., Pinho J.R.R., Mello I.M.V.G.C., Carrilho F.J.,
RA da Silva L.C.;
RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY133291; AAN15316.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfaG.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 119
SQ SEQUENCE 119 AA; 13015 MW; A44C2CD2C28B5C77 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 107 SSWALG 112

RESULT 38
Q8BA67 PRELIMINARY; PRT; 119 AA.
AC Q8BA67;
DT 01-MAR-2003 (TrEMBLrel. 23, Created)
DT 01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=072_96;
RA Lyra A.C., Pinho J.R.R., Mello I.M.V.G.C., Carrilho F.J.,
RA da Silva L.C.;
RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AY133290; AAN15315.1; -.

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DR GO; GO:0016032; P:Viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfact.
 DR Pfam; PF00695; vmsa; 1.
 KW Antigen.
 FT NON_TER 1
 FT NON_TER 119
 SQ SEQUENCE 119 AA; 12985 MW; A44B5CD2C28B5C77 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
 Best Local Similarity 100.0%; Pred. No. 48;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 107 SSWALG 112

RESULT 39
 Q8JYW5 PRELIMINARY; PRT; 119 AA.
 AC Q8JYW5;
 DT 01-OCT-2002 (TrEMBLrel. 22, Created)
 DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE S antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22323367; PubMed=12436473;
 RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
 RA Carballeda G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
 RA "Hepatitis B virus S gene mutants in a patient with chronic active
 RT hepatitis with circulating Anti-HBs antibodies.";
 RL J. Med. Virol. 69:18-26(2003).
 RN [2]
 RP SEQUENCE FROM N.A.
 RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
 RA Oubina J.;
 RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF500257; AA27437.1; -.
 DR GO; GO:0016032; P:Viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfact.
 DR Pfam; PF00695; vmsa; 1.
 KW Antigen.
 FT NON_TER 1
 FT NON_TER 119
 SQ SEQUENCE 119 AA; 13292 MW; 17486A63C39BE351 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
 Best Local Similarity 100.0%; Pred. No. 48;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 100 SSWALG 105

RESULT 40
 Q8JYW6 PRELIMINARY; PRT; 119 AA.
 AC Q8JYW6;
 DT 01-OCT-2002 (TrEMBLrel. 22, Created)
 DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE S antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22323367; PubMed=12436473;

RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
 RA Carballeda G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
 RT "Hepatitis B virus S gene mutants in a patient with chronic active
 RT hepatitis with circulating Anti-HBs antibodies.";
 RL J. Med. Virol. 69:18-26(2003).
 RN [2]
 RP SEQUENCE FROM N.A.
 RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
 RA Oubina J.;
 RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF500256; AA27436.1; -.
 DR GO; GO:0016032; P:Viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfact.
 DR Pfam; PF00695; vmsa; 1.
 KW Antigen.
 FT NON_TER 1
 FT NON_TER 119
 SQ SEQUENCE 119 AA; 13130 MW; 453DB2C4DC884EF8 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
 Best Local Similarity 100.0%; Pred. No. 48;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 100 SSWALG 105

RESULT 41
 Q8JYW7 PRELIMINARY; PRT; 119 AA.
 AC Q8JYW7;
 DT 01-OCT-2002 (TrEMBLrel. 22, Created)
 DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE S antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22323367; PubMed=12436473;
 RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
 RA Carballeda G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
 RT "Hepatitis B virus S gene mutants in a patient with chronic active
 RT hepatitis with circulating Anti-HBs antibodies.";
 RL J. Med. Virol. 69:18-26(2003).
 RN [2]
 RP SEQUENCE FROM N.A.
 RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
 RA Oubina J.;
 RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF500255; AA27435.1; -.
 DR GO; GO:0016032; P:Viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfact.
 DR Pfam; PF00695; vmsa; 1.
 KW Antigen.
 FT NON_TER 1
 FT NON_TER 119
 SQ SEQUENCE 119 AA; 13088 MW; 103DBAC4DAB0A750 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
 Best Local Similarity 100.0%; Pred. No. 48;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 100 SSWALG 105

RESULT 42
 Q8JYW9 PRELIMINARY; PRT; 119 AA.
 ID Q8JYW9

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AC Q8JYW9;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE S antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22323367; PubMed=12436473;
RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
RT "Hepatitis B virus S gene mutants in a patient with chronic active
RT Hepatitis with circulating Anti-HBs antibodies.";
RL J. Med. Virol. 69:18-26(2003).
RN [2]
RP SEQUENCE FROM N.A.
RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
RA Oubina J.;
RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF500253; AAM27433.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 119
FT NON_TER 119
SQ SEQUENCE 119 AA; 13148 MW; 174DBDA6A51A1351 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
DB 100 SSWALG 105

RESULT 43
Q8JYX0
ID Q8JYX0 PRELIMINARY; PRT; 119 AA.
AC Q8JYX0;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE S antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22323367; PubMed=12436473;
RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
RT "Hepatitis B virus S gene mutants in a patient with chronic active
RT Hepatitis with circulating Anti-HBs antibodies.";
RL J. Med. Virol. 69:18-26(2003).
RN [2]
RP SEQUENCE FROM N.A.
RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
RA Oubina J.;
RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF500252; AAM27432.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 119
FT NON_TER 119
SQ SEQUENCE 119 AA; 13110 MW; E24CFB26B01A07F5 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;

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Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
DB 100 SSWALG 105

RESULT 44
Q8JYX1
ID Q8JYX1 PRELIMINARY; PRT; 119 AA.
AC Q8JYX1;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE S antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22323367; PubMed=12436473;
RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
RT "Hepatitis B virus S gene mutants in a patient with chronic active
RT Hepatitis with circulating Anti-HBs antibodies.";
RL J. Med. Virol. 69:18-26(2003).
RN [2]
RP SEQUENCE FROM N.A.
RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
RA Oubina J.;
RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF500251; AAM27431.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 119
FT NON_TER 119
SQ SEQUENCE 119 AA; 13251 MW; 8A4D6C1B5066D2A CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
DB 100 SSWALG 105

RESULT 45
Q8JYX2
ID Q8JYX2 PRELIMINARY; PRT; 119 AA.
AC Q8JYX2;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE S antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroviral viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22323367; PubMed=12436473;
RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
RT "Hepatitis B virus S gene mutants in a patient with chronic active
RT Hepatitis with circulating Anti-HBs antibodies.";
RL J. Med. Virol. 69:18-26(2003).
RN [2]
RP SEQUENCE FROM N.A.
RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
RA Oubina J.;

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RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF500250; AAM27430.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 119 119
SQ SEQUENCE 119 AA; 13071 MW; 22387D0FB6736BF9 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 100 SSWALG 105

RESULT 46
Q8JYX3 PRELIMINARY; PRT; 119 AA.
AC Q8JYX3;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE S antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
[1]
RN SEQUENCE FROM N.A.
RP Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
RA Oubina J.;
RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF500249; AAM27429.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 119 119
SQ SEQUENCE 119 AA; 13132 MW; 4750FDA6A51A098A CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 100 SSWALG 105

RESULT 47
Q8JYX4 PRELIMINARY; PRT; 119 AA.
AC Q8JYX4;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE S antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
[1]

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RP SEQUENCE FROM N.A.
RX MEDLINE=22323367; PubMed=12436473;
RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
RA Carballeda G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
RT "Hepatitis B virus S gene mutants in a patient with chronic active
J. Med. Virol. 69:18-26(2003).";
RL [2]
RN SEQUENCE FROM N.A.
RP Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
RA Oubina J.;
RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF500248; AAM27428.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 119 119
SQ SEQUENCE 119 AA; 13114 MW; 1D5DB7BCB5177354 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 100 SSWALG 105

RESULT 48
Q8JYX7 PRELIMINARY; PRT; 119 AA.
AC Q8JYX7;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE S antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
[1]
RN SEQUENCE FROM N.A.
RX MEDLINE=22323367; PubMed=12436473;
RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
RA Carballeda G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
RT "Hepatitis B virus S gene mutants in a patient with chronic active
J. Med. Virol. 69:18-26(2003).";
RL [2]
RN SEQUENCE FROM N.A.
RP Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
RA Oubina J.;
RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF500245; AAM27425.1; -.
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 119 119
SQ SEQUENCE 119 AA; 13158 MW; 159DBDA6A6191352 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 100 SSWALG 105

RESULT 49

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Q8JYX8
ID Q8JYX8 PRELIMINARY; PRT; 119 AA.
AC Q8JYX8;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE S antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22323367; PubMed=12436473;
RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
RT "Hepatitis B virus S gene mutants in a patient with chronic active
RT hepatitis with circulating Anti-HBs antibodies.";
RL J. Med. Virol. 69:18-26(2003).
RN [2]
RP SEQUENCE FROM N.A.
RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
RA Oubina J.;
RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF500244; AM27423.1; -
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; vmsa; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 119
FT NON_TER 119
SQ SEQUENCE 119 AA; 13196 MW; 174DA6B58759DC6E CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 100 SSWALG 105

RESULT 50
Q8JYX9
ID Q8JYX9 PRELIMINARY; PRT; 119 AA.
AC Q8JYX9;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE S antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22323367; PubMed=12436473;
RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
RT "Hepatitis B virus S gene mutants in a patient with chronic active
RT hepatitis with circulating Anti-HBs antibodies.";
RL J. Med. Virol. 69:18-26(2003).
RN [2]
RP SEQUENCE FROM N.A.
RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
RA Oubina J.;
RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF500243; AM27423.1; -
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; vmsa; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 119
FT NON_TER 119
SQ SEQUENCE 119 AA; 13208 MW; 0A6C729A56D53283 CRC64;
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Query Match 30.0%; Score 6; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 100 SSWALG 105

RESULT 51
Q8JY0
ID Q8JY0 PRELIMINARY; PRT; 119 AA.
AC Q8JY0;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE S antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22323367; PubMed=12436473;
RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
RT "Hepatitis B virus S gene mutants in a patient with chronic active
RT hepatitis with circulating Anti-HBs antibodies.";
RL J. Med. Virol. 69:18-26(2003).
RN [2]
RP SEQUENCE FROM N.A.
RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
RA Oubina J.;
RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AF500242; AM27422.1; -
DR GO; GO:0016032; P:Viral life cycle; IEA.
DR InterPro; IPR000349; Hepvir_surfa.
DR Pfam; PF00695; vmsa; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 119
FT NON_TER 119
SQ SEQUENCE 119 AA; 13148 MW; 103DBAD1D51A1354 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 100 SSWALG 105

RESULT 52
Q8JY1
ID Q8JY1 PRELIMINARY; PRT; 119 AA.
AC Q8JY1;
DT 01-OCT-2002 (TrEMBLrel. 22, Created)
DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE S antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=22323367; PubMed=12436473;
RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
RT "Hepatitis B virus S gene mutants in a patient with chronic active
RT hepatitis with circulating Anti-HBs antibodies.";
RL J. Med. Virol. 69:18-26(2003).
RN [2]
RP SEQUENCE FROM N.A.
```


RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
 RA Oubina J.;
 RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL: AF500241; AM27419.1; -
 DR GO: GO:0016032; P:Viral life cycle; IEA.
 DR InterPro: IPR000349; Hepvir_surfaG.
 DR Pfam: PF00695; vMSA; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 119 119
 SQ SEQUENCE 119 AA; 13278 MW; 1758A8AGA50679E1 CRC64;
 Query Match 30.0%; Score 6; DB 2; Length 119;
 Best Local Similarity 100.0%; Pred.No. 48;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 SSWALG 9
 Db 100 SSWALG 105

RESULT 53
 Q8JYI3
 ID Q8JYI3 PRELIMINARY; PRT; 119 AA.
 AC Q8JYI3;
 DT 01-OCT-2002 (TrEMBLrel. 22, Created)
 DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE S antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22323367; PubMed=12436473;
 RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
 RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
 RT "Hepatitis B virus S gene mutants in a patient with chronic active
 hepatitis with circulating Anti-HBs antibodies.";
 RL J. Med. Virol. 69:18-26(2003).
 RN [2]
 RP SEQUENCE FROM N.A.
 RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
 RA Oubina J.;
 RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL: AF500239; AM27419.1; -
 DR GO: GO:0016032; P:Viral life cycle; IEA.
 DR InterPro: IPR000349; Hepvir_surfaG.
 DR Pfam: PF00695; vMSA; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 119 119
 SQ SEQUENCE 119 AA; 13285 MW; E53B101764C7C855 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
 Best Local Similarity 100.0%; Pred.No. 48;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 SSWALG 9
 Db 100 SSWALG 105

RESULT 54
 Q8JYI4
 ID Q8JYI4 PRELIMINARY; PRT; 119 AA.
 AC Q8JYI4;
 DT 01-OCT-2002 (TrEMBLrel. 22, Created)
 DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE S antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.

OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22323367; PubMed=12436473;
 RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
 RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
 RT "Hepatitis B virus S gene mutants in a patient with chronic active
 hepatitis with circulating Anti-HBs antibodies.";
 RL J. Med. Virol. 69:18-26(2003).
 RN [2]
 RP SEQUENCE FROM N.A.
 RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
 RA Oubina J.;
 RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL: AF500238; AM27418.1; -
 DR GO: GO:0016032; P:Viral life cycle; IEA.
 DR InterPro: IPR000349; Hepvir_surfaG.
 DR Pfam: PF00695; vMSA; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 119 119
 SQ SEQUENCE 119 AA; 13114 MW; 1A2DB0CBC5177351 CRC64;
 Query Match 30.0%; Score 6; DB 2; Length 119;
 Best Local Similarity 100.0%; Pred.No. 48;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 SSWALG 9
 Db 100 SSWALG 105

RESULT 55
 Q8JYI5
 ID Q8JYI5 PRELIMINARY; PRT; 119 AA.
 AC Q8JYI5;
 DT 01-OCT-2002 (TrEMBLrel. 22, Created)
 DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE S antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22323367; PubMed=12436473;
 RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
 RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
 RT "Hepatitis B virus S gene mutants in a patient with chronic active
 hepatitis with circulating Anti-HBs antibodies.";
 RL J. Med. Virol. 69:18-26(2003).
 RN [2]
 RP SEQUENCE FROM N.A.
 RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
 RA Oubina J.;
 RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL: AF500237; AM27417.1; -
 DR GO: GO:0016032; P:Viral life cycle; IEA.
 DR InterPro: IPR000349; Hepvir_surfaG.
 DR Pfam: PF00695; vMSA; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 119 119
 SQ SEQUENCE 119 AA; 13148 MW; 103DBAD1D51A1354 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
 Best Local Similarity 100.0%; Pred.No. 48;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 4 SSWALG 9
 Db 100 SSWALG 105

RESULT 56

Q8JYV6 PRELIMINARY; PRT; 119 AA.
 ID Q8JYV6
 AC Q8JYV6
 DT 01-OCT-2002 (TrEMBLrel. 22, Created)
 DT 01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE S antigen (Fragment).
 OS Hepatitis B virus.
 OC Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=2232367; PubMed=12436473;
 RA Mathet V.L., Feld M., Espinola L., Sanchez D.O., Ruiz V., Mando O.,
 RA Carballal G., Quarleri J.F., D'Mello F., Howard C.R., Oubina J.R.;
 RT "Hepatitis B virus S gene mutants in a patient with chronic active
 RT hepatitis with circulating Anti-HBs antibodies.";
 RL J. Med. Virol. 69:18-26(2003).
 RN [2]
 RP SEQUENCE FROM N.A.
 RA Mathet V., Feld M., Ruiz V., Espinola L., Sanchez D., Quarleri J.,
 RA Oubina J.,
 RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF500236; AA027416.1; -.
 DR GO; GO:0016032; P:Viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfaG.
 DR Pfam; PF00695; vmsa; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 119 119
 SQ SEQUENCE 119 AA; 13134 MW; 8A5DBACD3BE80FEA CRC64;

Query Match 30.0%; Score 6; DB 2; Length 119;
 Best Local Similarity 100.0%; Pred.No. 48;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 Db 100 SSWALG 105

RESULT 57

Q6YF40 PRELIMINARY; PRT; 121 AA.
 ID Q6YF40
 AC Q6YF40
 DT 05-JUL-2004 (TrEMBLrel. 27, Created)
 DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
 DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
 DE Surface antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=91276235; PubMed=2055466;
 RA Yamazoe M., Nakai S., Ogasawara N., Yoshikawa H.;
 RA Arakalli V.A., Padbidri V.S., Sehagal S.C.;
 RL Submitted (SEP-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AV155433; AA017894.1; -.
 DR InterPro; IPR000349; Hepvir_surfaG.
 DR Pfam; PF00695; vmsa; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 121 121
 SQ SEQUENCE 121 AA; 13138 MW; C18EBB3C94400B1B CRC64;

Query Match 30.0%; Score 6; DB 2; Length 121;
 Best Local Similarity 100.0%; Pred.No. 48;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 Db 100 SSWALG 105

Db 111 SSWALG 116

RESULT 58

AA017894 PRELIMINARY; PRT; 121 AA.
 ID AA017894
 AC AA017894
 DT 02-MAR-2004 (TrEMBLrel. 27, Created)
 DT 02-MAR-2004 (TrEMBLrel. 27, Last sequence update)
 DT 02-MAR-2004 (TrEMBLrel. 27, Last annotation update)
 DE Surface antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX STRAIN=NC89-15;
 RA Arakalli V.A., Murhekar K.M., Gandhe S.S., Murhekar M.V.,
 RA Ramdasi A.Y., Padbidri V.S., Sehagal S.C.;
 RT "Hepatitis B virus: Predominance of Genotype D in hyper-endemic
 RT primitive tribes of Andaman and Nicobar Islands, India (1989-1999).";
 RL Submitted (SEP-2002) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AV155433; AA017894.1; -.
 DR NON_TER 1 1
 FT NON_TER 121 121
 SQ SEQUENCE 121 AA; 13138 MW; C18EBB3C94400B1B CRC64;

Query Match 30.0%; Score 6; DB 2; Length 121;
 Best Local Similarity 100.0%; Pred.No. 48;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 Db 111 SSWALG 116

RESULT 59

Q90137 PRELIMINARY; PRT; 123 AA.
 ID Q90137
 AC Q90137
 DT 01-NOV-1996 (TrEMBLrel. 01, Created)
 DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE Surface antigen (Fragment).
 OS Marmota monax (Woodchuck).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Scuridae; Sciurinae;
 OC Marmota.
 OX NCBI_TaxID=9995;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX TISSUE=Liver;
 RX MEDLINE=91276235; PubMed=2055466;
 RA Yamazoe M., Nakai S., Ogasawara N., Yoshikawa H.;
 RT "Integration of woodchuck hepatitis virus (whv) DNA at two chromosomal
 RT sites (v-k and gag-like) in a hepatocellular carcinoma.";
 RL Gene 100:139-146(1991).
 DR EMBL; M60766; AAA37108.1; -.
 DR PIR; I48192; I48192.
 DR GO; GO:0016032; P:Viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfaG.
 DR Pfam; PF00695; vmsa; 1.
 FT NON_TER 123 123
 SQ SEQUENCE 123 AA; 14168 MW; 56196675B7C2AD90 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 123;
 Best Local Similarity 100.0%; Pred.No. 49;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 Db 51 SSWALG 56

```
RESULT 60
ID Q75ZV2 PRELIMINARY; PRT; 132 AA.
AC Q75ZV2;
DT 05-JUL-2004 (TrEMBLrel. 27, Created)
DT 05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
DT 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]_TaxID=10407;
RP SEQUENCE FROM N.A.
RX PubMed=15013993;
RA Takahashi M., Nishizawa T., Gotanda Y., Tsuda F., Komatsu F.,
RA Kawabata T., Hasegawa K., Altankhuu M., Chimedregzen U., Naranantuya L.,
RA Hoshino H., Hino K., Kagawa Y., Okamoto H.;
RT "High prevalence of antibodies to hepatitis A and E viruses and
RT viremia of hepatitis B, C, and D viruses among apparently healthy
RT populations in Mongolia."
RL Clin. Diagn. Lab. Immunol. 11:392-398(2004).
DR EMBL: AB119015; BAD12500.1; -.
DR InterPro: IPR000349; Hepvir_surfaG.
DR Pfam: PF00695; VMSA; 1.
KW Antigen.
FT NON_TER 1
FT NON_TER 132
FT NON_TER 132
SQ SEQUENCE 132 AA; 14320 MW; A076867777BF7864 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 132;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 115 SSWALG 120
|||||

RESULT 61
ID BAD12500 PRELIMINARY; PRT; 132 AA.
AC BAD12500;
DT 24-MAR-2004 (TrEMBLrel. 27, Created)
DT 24-MAR-2004 (TrEMBLrel. 27, Last sequence update)
DT 24-MAR-2004 (TrEMBLrel. 27, Last annotation update)
DE Surface antigen (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]_TaxID=10407;
RP SEQUENCE FROM N.A.
RX STRAIN=MNB078;
RA Takahashi M., Nishizawa T., Gotanda Y., Tsuda F., Komatsu F.,
RA Kawabata T., Hasegawa K., Altankhuu M., Chimedregzen U., Naranantuya L.,
RA Hoshino H., Hino K., Kagawa Y., Okamoto H.;
RT "High prevalence of antibodies to hepatitis A and E viruses and
RT viremia of hepatitis B, C, and D viruses among apparently healthy
RT populations in Mongolia."
RL Clin. Diagn. Lab. Immunol. 11:392-398(2004).
DR EMBL: AB119015; BAD12500.1; -.
DR NON_TER 1
DR NON_TER 132
DR NON_TER 132
SQ SEQUENCE 132 AA; 14320 MW; A076867777BF7864 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 132;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 115 SSWALG 120
|||||
```

```
RESULT 62
ID U426_GAHVG STANDARD; PRT; 142 AA.
AC Q05104;
DT 01-FEB-1995 (Rel. 31, Created)
DT 01-FEB-1995 (Rel. 31, Last sequence update)
DT 05-JUL-2004 (Rel. 44, Last annotation update)
DE Hypothetical 15.7 kDa protein.
GN Name=US426;
OS Gallid herpesvirus 1 (strain GA) (GAHV-1) (Marek's disease
OS herpesvirus).
OC Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
OC Alphaherpesvirinae; Marek's disease-like viruses.
OX NCBI_TaxID=10388;
RN [1]_TaxID=10388;
RP SEQUENCE FROM N.A.
RX MEDLINE=93118245; PubMed=1282282;
RA Sakaguchi M., Urakawa T., Hirayama Y., Miki N., Yamamoto M., Hirai K.;
RT "Sequence determination and genetic content of an 8.9-kb restriction
RT fragment in the short unique region and the internal inverted repeat
RT of Marek's disease virus type 1 DNA."
RL Virus Genes 6:365-378(1992).
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DR EMBL: M80595; AAB59898.1; -.
DR Hypothetical protein.
SQ SEQUENCE 142 AA; 15662 MW; 76D137DF02735E26 CRC64;

Query Match 30.0%; Score 6; DB 1; Length 142;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 59 SSWALG 64
|||||

RESULT 63
ID Q8VWR7 PRELIMINARY; PRT; 143 AA.
AC Q8VWR7;
DT 01-MAR-2002 (TrEMBLrel. 20, Created)
DT 01-MAR-2002 (TrEMBLrel. 20, Last sequence update)
DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
DE Transporter-like protein (Fragment).
OS Narcissus pseudonarcissus (Daffodil).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; Liliopsida; Asparagales; Amaryllidaceae;
OC Narcissus.
OX NCBI_TaxID=39639;
RN [1]_TaxID=39639;
RP SEQUENCE FROM N.A.
RC TISSUE=4-day old flower tepal;
RA Hunter D.A., Steele B.C., Reid M.S.;
RT "Identification of genes associated with perianth senescence in
RT daffodil (Narcissus pseudonarcissus L. 'Dutch Master').";
RL Plant Sci. 163:13-21(2002).
CC -1- SUBCELLULAR LOCATION: Integral membrane protein (By similarity).
DR EMBL: AF462230; AAL69393.1; -.
DR GO: GO:0016021; C:integral to membrane; IEA.
DR GO: GO:0005215; F:transporter activity; IEA.
DR GO: GO:0006810; P:transport; IEA.
DR InterPro: IPR005828; Sub_transporter.
DR Pfam: PF00083; Sugar_tr; 1.
DR Transmembrane.
KW
```

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FT NON_TER 1 1
FT NON_TER 143 143
SQ SEQUENCE 143 AA; 15957 MW; E56ABB6F1F30879F CRC64;

Query Match
  30.0%; Score 6; DB 2; Length 143;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
Db 11 LGWRWL 16

RESULT 64
Q6ZSS0
ID Q6ZSS0 PRELIMINARY; PRT; 146 AA.
AC Q6ZSS0;
DT 05-JUL-2004 (TREMBlrel. 27, Created)
DT 05-JUL-2004 (TREMBlrel. 27, Last sequence update)
DT 05-JUL-2004 (TREMBlrel. 27, Last annotation update)
DE Hypothetical protein FLJ45251.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Hippocampus;
RA Tanigami A., Fujiwara T., Shibahara T., Goto Y., Hirao M., Shimizu F.,
RA Wakebe H., Ono T., Hishigaki H., Watanabe T., Ozaki K., Sugiyama T.,
RA Irie R., Otsuki T., Sato H., Wakamatsu A., Ishii S., Yamamoto J.,
RA Isono Y., Kawai-Hio Y., Saito K., Nishikawa T., Kimura K.,
RA Yamashita H., Matsuo K., Nakamura Y., Sekine M., Kikuchi H., Kanda K.,
RA Wagatsuma M., Murakawa K., Kanehori K., Takahashi-Fujii A., Oshima A.,
RA Sugiyama A., Kawakami B., Suzuki Y., Sugano S., Nagahari K.,
RA Masuho Y., Nagai K., Isogai T.;
RL Submitted (JUL-2003) to the EMBL/GenBank/DBJ databases.
DR EMBL; AK127186; BAC86876.1; -.
SQ SEQUENCE 146 AA; 16128 MW; C41FD600CF9E8FD1 CRC64;

Query Match
  30.0%; Score 6; DB 2; Length 146;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 15 SSWALG 20

RESULT 65
ID BAC86876 PRELIMINARY; PRT; 146 AA.
AC BAC86876;
DT 02-MAR-2004 (TREMBlrel. 27, Created)
DT 02-MAR-2004 (TREMBlrel. 27, Last sequence update)
DT 02-MAR-2004 (TREMBlrel. 27, Last annotation update)
DE CDNA FLJ45251 f18, clone BRHIP2009177.
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=Hippocampus;
RA Tanigami A., Fujiwara T., Shibahara T., Goto Y., Hirao M., Shimizu F.,
RA Wakebe H., Ono T., Hishigaki H., Watanabe T., Ozaki K., Sugiyama T.,
RA Irie R., Otsuki T., Sato H., Wakamatsu A., Ishii S., Yamamoto J.,
RA Isono Y., Kawai-Hio Y., Saito K., Nishikawa T., Kimura K.,
RA Yamashita H., Matsuo K., Nakamura Y., Sekine M., Kikuchi H., Kanda K.,
RA Wagatsuma M., Murakawa K., Kanehori K., Takahashi-Fujii A., Oshima A.,
RA Sugiyama A., Kawakami B., Suzuki Y., Sugano S., Nagahari K.,
RA Masuho Y., Nagai K., Isogai T.;
RL Submitted (JUL-2003) to the EMBL/GenBank/DBJ databases.
DR EMBL; AK127186; BAC86876.1; -.
SQ SEQUENCE 146 AA; 16128 MW; C41FD600CF9E8FD1 CRC64;

Query Match
  30.0%; Score 6; DB 2; Length 146;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 15 SSWALG 20

RESULT 66
Q6W5E6
ID Q6W5E6 PRELIMINARY; PRT; 159 AA.
AC Q6W5E6;
DT 05-JUL-2004 (TREMBlrel. 27, Created)
DT 05-JUL-2004 (TREMBlrel. 27, Last sequence update)
DT 05-JUL-2004 (TREMBlrel. 27, Last annotation update)
DE Small S protein (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RX PubMed=14748061;
RA Devesa M., Rodriguez C., Leon G., Liprandi F., Pujol F.H.;
RT "Clade analysis and surface antigen polymorphism of hepatitis B virus
RT American genotypes.";
RL J. Med. Virol. 72:377-384(2004).
DR EMBL; AY311353; AAQ86848.1; -.
DR InterPro; IPR000349; Hepvir_surfac.
DR Pfam; PF00695; vMSA; 1.
KW Antigen.
FT NON_TER 159 159
SQ SEQUENCE 159 AA; 17194 MW; BD6C9235A3E07233 CRC64;

Query Match
  30.0%; Score 6; DB 2; Length 159;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db 154 SSWALG 159

RESULT 67
AAQ86848
ID AAQ86848 PRELIMINARY; PRT; 159 AA.
AC AAQ86848;
DT 02-MAR-2004 (TREMBlrel. 27, Created)
DT 02-MAR-2004 (TREMBlrel. 27, Last sequence update)
DT 02-MAR-2004 (TREMBlrel. 27, Last annotation update)
DE Small S protein (Fragment).
OS Hepatitis B virus.
OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
OX NCBI_TaxID=10407;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=BD7317;
RA Devesa M., Rodriguez C., Leon G., Liprandi F., Pujol F.H.;
RT "Clade analysis and surface antigen polymorphism of hepatitis B virus
RT American genotypes.";
RL J. Med. Virol. 72:377-384(2004).
DR EMBL; AY311353; AAQ86848.1; -.
FT NON_TER 159 159
SQ SEQUENCE 159 AA; 17194 MW; BD6C9235A3E07233 CRC64;

Query Match
  30.0%; Score 6; DB 2; Length 159;
Best Local Similarity 100.0%; Pred. No. 61;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy	4 SSWALG 9 	12 WLRYYG 17
Db	154 SSWALG 159	54 WLRYYG 59
RESULT 68		
Q84010	PRELIMINARY; PRT; 162 AA.	
AC	Q84010;	
DT	01-JUN-2003 (TREMBlrel. 24, Created)	
DT	01-JUN-2003 (TREMBlrel. 24, Last sequence update)	
DT	01-JUN-2003 (TREMBlrel. 24, Last annotation update)	
DE	Hypothetical protein.	
OS	Pseudomonas chlororaphis (Pseudomonas aureofaciens).	
OC	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;	
OC	Pseudomonadaceae; Pseudomonas.	
OX	NCBI_TaxID=333;	
RN	[1]	
RP	SEQUENCE FROM N.A.	
RA	Kim J.J., Lawrence J.B., Kluepfel D.A.;	
RL	Submitted (OCT-2002) to the EMBL/GenBank/DBJ databases.	
RL	EMBL; AY163858; AAP30022.1; -.	
KW	Hypothetical protein.	
SQ	SEQUENCE 162 AA; 19205 MW; 6AD69FCF5A3689DA CRC64;	
Query Match	30.0%; Score 6; DB 2; Length 162;	
Best Local Similarity	100.0%; Pred. No. 62;	
Matches	6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
Qy	12 WLRYYG 17 	
Db	124 WLRYYG 129	
RESULT 69		
Q73NA1	PRELIMINARY; PRT; 170 AA.	
AC	Q73NA1;	
DT	05-JUL-2004 (TREMBlrel. 27, Created)	
DT	05-JUL-2004 (TREMBlrel. 27, Last sequence update)	
DT	05-JUL-2004 (TREMBlrel. 27, Last annotation update)	
DE	Smr domain protein.	
GN	OrderedLocusNames=TDE1254;	
OS	Treponema denticola.	
OC	Bacteria; Spirochaetes; Spirochaetales; Spirochaetaceae; Treponema.	
OX	NCBI_TaxID=158;	
RN	[1]	
RP	SEQUENCE FROM N.A.	
RC	STRAIN=ATCC 35405 / DSM 14222;	
RX	PubMed=15064399; DOI=10.1073/pnas.0307639101;	
RA	Seshadri R., Myers G.S.A., Tettelin H., Eisen J.A., Heidelberg J.F.,	
RA	Dodson R.J., Daviden T.M., DeBoy R.T., Fouts D.E., Haft D.H.,	
RA	Selengut J., Ren Q., Brinkac L.M., Madupu R., Kolonay J.F.,	
RA	Durkin S.A., Daugherty S.C., Shetty J., Shvartsbeyn A.,	
RA	Gebregorgis E., Geer K., Tsegaye G., Malek J.A., Ayodeji B.,	
RA	Shatsman S., McLeod M.P., Smajls D., Howell J.K., Pal S., Amin A.,	
RA	Vashisth P., McNeill T.Z., Xiang Q., Sodergren E., Baca E.,	
RA	Weinstock G.M., Norris S.J., Fraser C.M., Paulsen I.T.;	
RT	"Comparison of the genome of the oral pathogen Treponema denticola	
RT	with other spirochete genomes.";	
Proc. Natl. Acad. Sci. U.S.A.	101:5646-5651(2004).	
EMBL; AB017250; AAS11772.1; -.		
TIGR; TDE1254; -.		
SQ	SEQUENCE 170 AA; 19438 MW; 9A29EB2307D04319 CRC64;	
Query Match	30.0%; Score 6; DB 2; Length 170;	
Best Local Similarity	100.0%; Pred. No. 64;	
Matches	6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
Qy	12 WLRYYG 17 	
Db	54 WLRYYG 59	
RESULT 71		
Q8BDE8	PRELIMINARY; PRT; 185 AA.	
AC	Q8BDE8;	
DT	01-MAR-2003 (TREMBlrel. 23, Created)	
DT	01-MAR-2003 (TREMBlrel. 23, Last sequence update)	
DT	01-JUN-2003 (TREMBlrel. 24, Last annotation update)	
DE	Surface antigen (Fragment).	
OS	Hepatitis B virus.	
OC	Viruses; Retroviruses; Hepadnaviridae; Orthohepadnavirus.	
OX	NCBI_TaxID=10407;	
RN	[1]	
RP	SEQUENCE FROM N.A.	
RX	MEDLINE=22196947; PubMed=12209321;	
RA	Quintero A., Martinez D., Alarcon de Noya B., Costagliola A.,	
RA	Urbina L., Gonzalez N., Liprandi F., Castro De Guerra D., Pujol F.H.;	
RT	"Molecular epidemiology of hepatitis B virus in Afro-Venezuelan	
RT	populations";	
Arch. Virol.	147:1829-1836(2002).	
EMBL; AF479495; AAN28698.1; -.		
GO; GO:0016032; P:Viral life cycle; IEA.		
InterPro; IPR000349; Hepvir_surfaG.		
Pfam; PF00695; vmsA; 1.		
Antigen.		
KW	Antigen.	
FT	NON_TER 1 1	
FT	NON_TER 185 185	
SQ	SEQUENCE 185 AA; 20700 MW; 58B7321032C5D19 CRC64;	

Query Match 30.0%; Score 6; DB 2; Length 185;
 Best Local Similarity 100.0%; Pred. No. 69;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 137 SSWALG 142

RESULT 72

Q8BDE9 PRELIMINARY; PRT; 185 AA.
 AC Q8BDE9;
 DT 01-MAR-2003 (TrEMBLrel. 23, Created)
 DT 01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
 DE Surface antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22196947; PubMed=12209321;
 RA Quintero A., Martinez D., Alarcon De Noya B., Costagliola A.,
 RA Urbina L., Gonzalez N., Liprandi F., Castro De Guerra D., Pujol F.H.;
 RT "Molecular epidemiology of hepatitis B virus in Afro-Venezuelan
 RT populations.";
 RL Arch. Virol. 147:1829-1836(2002).
 DR EMBL; AF479494; AAN28697.1; -;
 DR GO; GO:0016032; P:viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfaG.
 DR Pfam; PF00695; vMSA; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 185 185
 SQ SEQUENCE 185 AA; 20716 MW; EF100280E26BA81A CRC64;

Query Match 30.0%; Score 6; DB 2; Length 185;
 Best Local Similarity 100.0%; Pred. No. 69;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 137 SSWALG 142

RESULT 73

Q8BDF0 PRELIMINARY; PRT; 185 AA.
 AC Q8BDF0;
 DT 01-MAR-2003 (TrEMBLrel. 23, Created)
 DT 01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
 DE Surface antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=22196947; PubMed=12209321;
 RA Quintero A., Martinez D., Alarcon De Noya B., Costagliola A.,
 RA Urbina L., Gonzalez N., Liprandi F., Castro De Guerra D., Pujol F.H.;
 RT "Molecular epidemiology of hepatitis B virus in Afro-Venezuelan
 RT populations.";
 RL Arch. Virol. 147:1829-1836(2002).
 DR EMBL; AF479493; AAN28696.1; -;
 DR GO; GO:0016032; P:viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfaG.
 DR Pfam; PF00695; vMSA; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 185 185
 SQ SEQUENCE 185 AA; 20672 MW; 4A1275F2976BAD19 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 185;
 Best Local Similarity 100.0%; Pred. No. 69;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 137 SSWALG 142

RESULT 74

Q9DQV3 PRELIMINARY; PRT; 185 AA.
 AC Q9DQV3;
 DT 01-MAR-2001 (TrEMBLrel. 16, Created)
 DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
 DE Surface antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=21316770; PubMed=11424126;
 RA Quintero A., Uzcategui N., Loureiro C.L., Villegas L.,
 RA Illarramendi X., Guevara M.E., Ludert J.E., Blitz L., Liprandi F.,
 RA Pujol F.H.;
 RT "Hepatitis delta virus genotypes I and III circulate associated with
 RT hepatitis B virus genotype F in Venezuela.";
 RL J. Med. Virol. 64:356-359(2001).
 DR EMBL; AF251386; AAG44621.1; -;
 DR GO; GO:0016032; P:viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfaG.
 DR Pfam; PF00695; vMSA; 1.
 KW Antigen.
 FT NON_TER 1 1
 FT NON_TER 185 185
 SQ SEQUENCE 185 AA; 20687 MW; 5E94A1874F21B5A0 CRC64;

Query Match 30.0%; Score 6; DB 2; Length 185;
 Best Local Similarity 100.0%; Pred. No. 69;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 137 SSWALG 142

RESULT 75

Q9DQV4 PRELIMINARY; PRT; 185 AA.
 AC Q9DQV4;
 DT 01-MAR-2001 (TrEMBLrel. 16, Created)
 DT 01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
 DE Surface antigen (Fragment).
 OS Hepatitis B virus.
 OC Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
 OX NCBI_TaxID=10407;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=21316770; PubMed=11424126;
 RA Quintero A., Uzcategui N., Loureiro C.L., Villegas L.,
 RA Illarramendi X., Guevara M.E., Ludert J.E., Blitz L., Liprandi F.,
 RA Pujol F.H.;
 RT "Hepatitis delta virus genotypes I and III circulate associated with
 RT hepatitis B virus genotype F in Venezuela.";
 RL J. Med. Virol. 64:356-359(2001).
 DR EMBL; AF251385; AAG44620.1; -;
 DR GO; GO:0016032; P:viral life cycle; IEA.
 DR InterPro; IPR000349; Hepvir_surfaG.
 DR Pfam; PF00695; vMSA; 1.
 KW Antigen.

FT NON TER 1 1
FT NON TER 185 185
SQ SEQUENCE 185 AA; 20593 MW; 3DB27506C23AA94C CRC64;

Query Match 30.0%; Score 6; DB 2; Length 185;
Best Local Similarity 100.0%; Pred.No. 69;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
| | | | |
Db 137 SSWALG 142

Search completed: October 26, 2004, 07:22:22
Job time : 93.5 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 26, 2004, 06:46:31 ; Search time 85 Seconds

(without alignments)
84.407 Million cell updates/sec

Title: US-10-066-965A-2

Perfect score: 20

Sequence: 1 QWSSWALGWRRLRRYGMW 20

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 2002273 seqs, 358729299 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2002273

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Database : A Genesep_23Sep04:*

1: genesep1980s:*

2: genesep1990s:*

3: genesep2000s:*

4: genesep2001s:*

5: genesep2002s:*

6: genesep2003as:*

7: genesep2003bs:*

8: genesep2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	20	100.0	20	5	AA018008	AA018008 Intracell
2	13	65.0	20	2	AA089346	AA089346 Cdk2-inte
3	13	65.0	20	2	AAW32121	AAW32121 Interacti
4	13	65.0	20	3	AAW49340	AAW49340 Cdk2 inte
5	8	40.0	480	7	AB082724	AB082724 Pseudomon
6	7	35.0	17	5	AA018007	AA018007 Intracell
7	7	35.0	66	4	AA064440	AA064440 Human sec
8	6	30.0	18	7	ADC99282	ADC99282 Cancer-re
9	6	30.0	55	3	AA033896	AA033896 Human sec
10	6	30.0	66	4	AB015989	AB015989 Human ner
11	6	30.0	71	3	AA085124	AA085124 Hepatitis
12	6	30.0	86	4	AB013552	AB013552 Novel hum
13	6	30.0	97	4	AAU58561	AAU58561 Propionib
14	6	30.0	97	6	ABM55080	ABM55080 Propionib
15	6	30.0	98	6	ABM64638	ABM64638 Propionib
16	6	30.0	112	5	ABP64437	ABP64437 Human ORF
17	6	30.0	114	6	AAU42749	AAU42749 Propionib
18	6	30.0	114	6	ABM39268	ABM39268 Propionib
19	6	30.0	138	7	AB084088	AB084088 Pseudomon
20	6	30.0	143	4	AB011084	AB011084 Human sec
21	6	30.0	165	7	ADC86943	ADC86943 Human GPC
22	6	30.0	171	7	AB078072	AB078072 Pseudomon
23	6	30.0	201	4	ABG19443	ABG19443 Novel hum
24	6	30.0	277	7	ADM26747	ADM26747 Hyperther
25	6	30.0	277	7	AB068821	AB068821 Pseudomon

26	6	30.0	282	2	AA032836	AA032836 Woodchuck
27	6	30.0	305	4	AAU87103	AAU87103 Novel cen
28	6	30.0	305	8	ADI54418	ADI54418 Novel hum
29	6	30.0	346	2	AAW09046	AAW09046 WHV core-
30	6	30.0	368	5	ABP95597	ABP95597 Human GPC
31	6	30.0	379	1	AA070461	AA070461 Sequence
32	6	30.0	395	7	AB061423	AB061423 Klebsiell
33	6	30.0	396	6	ABU19932	ABU19932 Protein e
34	6	30.0	397	8	ADJ34131	ADJ34131 Human sec
35	6	30.0	400	4	AA066933	AA066933 HBV genot
36	6	30.0	401	7	ADD18225	ADD18225 Human mol
37	6	30.0	401	7	ADD18230	ADD18230 Human mol
38	6	30.0	401	7	ADD18228	ADD18228 Human mol
39	6	30.0	401	7	ADD18232	ADD18232 Human mol
40	6	30.0	401	8	ADJ34125	ADJ34125 Human sec
41	6	30.0	401	8	ADJ34123	ADJ34123 Human sec
42	6	30.0	401	8	ADJ34121	ADJ34121 Human sec
43	6	30.0	401	8	ADJ34127	ADJ34127 Novel hum
44	6	30.0	426	4	ABG14215	ABG14215 Pseudomon
45	6	30.0	478	7	ABO73332	ABO73332 Pseudomon
46	6	30.0	502	5	AA015132	AA015132 A thalian
47	6	30.0	502	5	AA015132	AA015132 A thalian
48	6	30.0	548	3	AA044633	AA044633 Human org
49	6	30.0	548	6	AA014907	AA014907 Human OCT
50	6	30.0	548	8	ADO77835	ADO77835 Rat synap
51	6	30.0	548	8	ADO77827	ADO77827 Human syn
52	6	30.0	548	8	ADP44588	ADP44588 Human syn
53	6	30.0	548	8	ADP44596	ADP44596 Norway ra
54	6	30.0	610	7	ADD15932	ADD15932 Aspergill
55	6	30.0	610	7	ADD15931	ADD15931 Aspergill
56	6	30.0	610	7	ADD15930	ADD15930 Wild-type
57	6	30.0	800	7	ABO75889	ABO75889 Pseudomon
58	6	30.0	880	7	ADD14150	ADD14150 Human src
59	6	30.0	896	4	AA024250	AA024250 Human EST
60	6	30.0	939	5	AA068296	AA068296 Human sem
61	6	30.0	954	5	AA068295	AA068295 Human sem
62	6	30.0	999	3	AA094990	AA094990 Human sem
63	6	30.0	1034	5	AA068291	AA068291 Human sem
64	6	30.0	1049	5	AA068289	AA068289 Human sem
65	6	30.0	1078	5	AA068292	AA068292 Human sem
66	6	30.0	1089	3	AA093369	AA093369 Human PRO
67	6	30.0	1089	4	AA066118	AA066118 Protein o
68	6	30.0	1089	4	AAU29156	AAU29156 Human PRO
69	6	30.0	1089	6	ABU58532	ABU58532 Human PRO
70	6	30.0	1089	6	ABU88080	ABU88080 Novel hum
71	6	30.0	1089	6	ABU84395	ABU84395 Human sec
72	6	30.0	1089	6	ABR66269	ABR66269 Human sec
73	6	30.0	1089	6	ABR65659	ABR65659 Human sec
74	6	30.0	1089	6	ABU99599	ABU99599 Human sec
75	6	30.0	1089	6	ABU82838	ABU82838 Human PRO
76	6	30.0	1089	6	ABU89959	ABU89959 Novel hum
77	6	30.0	1089	6	ABR68208	ABR68208 Human sec
78	6	30.0	1089	6	ABU96261	ABU96261 Novel hum
79	6	30.0	1089	6	ABU92692	ABU92692 Human sec
80	6	30.0	1089	6	ABO08769	ABO08769 Human sec
81	6	30.0	1089	6	ABO02821	ABO02821 Human sec
82	6	30.0	1089	6	ABR74975	ABR74975 Human sec
83	6	30.0	1089	6	ABR94737	ABR94737 Human sec
84	6	30.0	1089	6	ABU85710	ABU85710 Human PRO
85	6	30.0	1089	6	ABU98870	ABU98870 Novel hum
86	6	30.0	1089	6	ABU98085	ABU98085 Novel hum
87	6	30.0	1089	6	ABU91791	ABU91791 Novel hum
88	6	30.0	1089	6	ABU89484	ABU89484 Human PRO
89	6	30.0	1089	6	ABU86325	ABU86325 Human sec
90	6	30.0	1089	6	ABU67538	ABU67538 Human sec
91	6	30.0	1089	6	ABU80566	ABU80566 Human PRO
92	6	30.0	1089	6	ABR99484	ABR99484 Human sec
93	6	30.0	1089	6	ABR98874	ABR98874 Human sec
94	6	30.0	1089	6	ABO16397	ABO16397 Human sec
95	6	30.0	1089	6	ABR92297	ABR92297 Human sec
96	6	30.0	1089	6	ABO18938	ABO18938 Human sec
97	6	30.0	1089	6	ABR78359	ABR78359 Human sec
98	6	30.0	1089	6	ABU85095	ABU85095 Novel hum

99 6 30.0 1089 6 ABO00234 Abo00234 Novel hum
100 6 30.0 1089 6 ABO11566 Abo11566 Human sec

ALIGNMENTS

RESULT 1

AAO18008
ID AAO18008 standard; peptide; 20 AA.

XX AC AAO18008;
XX DT 30-AUG-2002 (first entry)
XX DE Intracellular target molecule property modulation method aptamer 10M.
XX KW Intracellular target; cellular component; property modulation;
XX KW antimicrobial; immunomodulatory; nootropic; neuroprotective; metabolic;
XX KW neuroleptic; cytosstatic; cardiant; infection; immunological disorder;
XX KW neurological disorder; metabolic disorder; psychiatric disorder;
XX KW myopathy; cancer; cardiovascular disorder.
XX OS Unidentified.

XX EP1205191-A1.

XX PN 15-MAY-2002.

XX PD 13-NOV-2000; 2000EP-00403156.
XX PF 13-NOV-2000; 2000EP-00403156.
XX PR (CNRS) CENT NAT RECH SCI.
XX PA (MASS-) MASSACHUSETTS GEN HOSPITAL.
XX PA (MOLE-) MOLECULAR SCI INST.

XX PI Colas P, Brent R, Cohen BA;
XX PT WPI; 2002-418829/45.
XX DR Process for specifically modulating the properties of an intracellular
XX PT target molecule used for the treatment of various disorders.
XX PS Example 1; Fig 1; 33pp; English.

XX CC The present invention relates to a process for specifically modulating
CC the properties of an intracellular target molecule T, and/or of a
CC cellular component C which interacts directly or indirectly in a cell
CC with the target. The process involves the introduction into the cell of a
CC chimeric molecule known as a targeted effector, comprising a recognition
CC moiety capable of recognising T and an effector moiety. The chimeric
CC protein or nucleic acid can be used in the preparation of a medicament
CC for the treatment of microbial infections, immunological disorders,
CC neurological disorders, metabolic disorders, psychiatric disorders,
CC myopathies, genetic disorders, cancer, cardiovascular disorders and
CC dental disorders. The present sequence is a mutant of a known anti-Cdk2
CC aptamer used in the exemplification of the invention

XX SQ Sequence 20 AA;

Query Match 100.0%; Score 20; DB 5; Length 20;

Best Local Similarity 100.0%; Pred. No. 4.6e-14; Indels 0; Gaps 0;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVWSSWALGFWLRRYGGW 20

DB 1 QVWSSWALGFWLRRYGGW 20

RESULT 2

AAO18008
ID AAO18008 standard; peptide; 20 AA.

XX AC AAR89346;

DT 10-SEP-1996 (first entry)

DE Cdk2-interacting peptide isolated using interaction trap assay.

XX KW Cdk2; cyclin dependent kinase 2; assay; identifying; isolating;
XX KW cell cycle; interaction; antagonist; conformationally-constrained;
XX KW agonist; interaction trap; thioredoxin; LexA; two-hybrid system.
XX OS Synthetic.

XX WO9602561-A1.

XX PD 01-FEB-1996.

XX PF 20-JUL-1995; 95WO-US009307.

XX PR 20-JUL-1994; 94US-00278082.

XX PA (GEMO) GEN HOSPITAL CORP.

XX PA (GEMO) GENETICS INST INC.

XX PI Brent R, McCoy JM, Jessen TH, Xu C;

XX PN WPI; 1996-105852/11.

XX DR Interaction trap systems using conformationally-constrained proteins -

XX PT useful for detection of protein interactions and for identification and

XX PT isolation of interacting proteins.

XX PS Claim 66; Page 60; 73pp; English.

XX CC AAR89340-R89351 are Cdk-2 interacting peptides identified by an

XX CC interaction trap assay using conformationally-constrained proteins. The

XX CC assay comprises providing a host cell (esp. a yeast cell) which contains:

XX CC (i) a reporter gene operably linked to a DNA-binding protein recognition

XX CC site, pref. LexA; (ii) a 1st fusion gene expressing Cdk-2 covalently

XX CC bonded to a LexA binding protein; and (iii) a 2nd fusion gene expressing

XX CC a conformationally-constrained (pref. with thioredoxin) protein (either

XX CC expected to interact with Cdk-2 or a random peptide) covalently bonded to

XX CC a gene-activating moiety, and measuring expression of the reporter gene

XX CC as a measure of interaction between cdk2 and the conformationally

XX CC constrained protein. The same system may be applied to find proteins that

XX CC interact with any other protein of interest (e.g. Ras) or proteins having

XX CC agonist or antagonist activity on such interactions

XX SQ Sequence 20 AA;

Query Match 65.0%; Score 13; DB 2; Length 20;

Best Local Similarity 100.0%; Pred. No. 9.9e-07;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 WALGWRWLRYYGW 18

DB 6 WALGWRWLRYYGW 18

RESULT 3

AAW32121

ID AAW32121 standard; peptide; 20 AA.

XX AC AAW32121;

XX DT 22-APR-1998 (first entry)

XX DE Interaction trap system aptamer 7.

XX KW Protein interaction; interaction trap; fusion protein; mimetic;

XX KW therapeutic; detection; reporter gene.

XX OS Synthetic.

XX WO9738127-A1.
 PN 16-OCT-1997.
 PD 09-APR-1997; 97WO-US005793.
 XX 09-APR-1996; 96US-00630052.
 PR (GEHO) GEN HOSPITAL CORP.
 XX (GEMY) GENETICS INST INC.
 PA Brent R, McCoy JM, Jessen TH, Xu CW;
 XX WPI; 1997-512733/47.
 DR
 XX
 XX New trap system for detecting protein interactions - comprises a reporter
 PT gene linked to a DNA-binding-protein recognition site and fusion proteins
 PT to test for interactions.
 XX
 XX Claim 73; Page 52; 89pp; English.
 PS
 XX Aptamers AAW32116-W32132 have been isolated from a peptide library and
 CC are used in a novel interaction trap method for detecting protein
 CC interactions and isolating novel proteins. The method involves a host
 CC cell containing a reporter gene operably linked to a DNA-binding-protein
 CC (DBP) recognition site, a fusion gene capable of expressing a fusion
 CC protein which is able to specifically bind to the DBP recognition site
 CC and a second fusion gene which expresses a second fusion protein which is
 CC conformationally constrained and bonded to a gene activating moiety.
 CC Measuring expression of the reporter gene gives a measure of the
 CC interaction between P1 and P2. This method can be used to identify
 CC agonists or antagonists for use as therapeutic molecules or for the
 CC design of simple molecule mimetics. The method is specifically used to
 CC detect an interacting protein in a population of proteins or to identify
 CC a candidate interactor. Using conformationally constrained proteins can
 CC provide for tertiary structural analysis and can also protect proteins
 CC from cellular degradation and/or increase the protein's solubility.
 CC and/or otherwise alter the capacity of the candidate interactor to
 CC interact
 CC
 XX Sequence 20 AA;
 SQ
 Query Match 65.0%; Score 13; DB 2; Length 20;
 Best Local Similarity 100.0%; Pred. No. 9.9e-07;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 6 WALGWRWLRRYGW 18
 |||||
 Db 6 WALGWRWLRRYGW 18
 |||||
 RESULT 4
 AAY49340
 ID AAY49340 standard; peptide; 20 AA.
 XX
 AC AAY49340;
 XX
 DT 14-MAR-2000 (first entry)
 XX
 XX Cdk2 interacting peptide 15-4.
 DE
 XX
 XX Saccharomyces; mammalian; fusion protein; interactor peptide;
 KW conformation-constraining protein; DNA binding moiety; Cdk2;
 KW gene activating moiety; protein interaction; gene purification.
 XX Synthetic.
 OS
 XX US6004746-A.
 PN
 XX
 PD 21-DEC-1999.
 XX
 XX 20-JUL-1995; 95US-00504538.

XX 20-JUL-1994; 94US-00278082.
 PR (GEHO) GEN HOSPITAL CORP.
 PA (GEMY) GENETICS INST INC.
 XX
 XX McCoy JM, Jessen TH, Brent R;
 PI WPI; 2000-072059/06.
 DR
 XX
 XX Population of Saccharomyces and/or mammalian cells comprising recombinant
 PT DNA encoding fusion proteins, useful for detecting protein interactions.
 PT
 XX Disclosure; Fig 3B; 24pp; English.
 PS
 XX The invention relates to a population of Saccharomyces and/or mammalian
 CC cells comprising recombinant DNA molecules encoding fusion proteins, each
 CC consisting of a candidate interactor peptide, a conformation-constraining
 CC protein and a DNA binding moiety and/or gene activating moiety. The cells
 CC are useful for detecting protein interactions. The cells may also be used
 CC in a method for identifying and purifying genes encoding a wide range of
 CC useful proteins based on their physical interaction with a second
 CC polypeptide
 CC
 XX Sequence 20 AA;
 SQ
 Query Match 65.0%; Score 13; DB 3; Length 20;
 Best Local Similarity 100.0%; Pred. No. 9.9e-07;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 6 WALGWRWLRRYGW 18
 |||||
 Db 6 WALGWRWLRRYGW 18
 |||||
 RESULT 5
 ABO82724
 ID ABO82724 standard; protein; 480 AA.
 XX
 AC ABO82724;
 XX
 DT 29-JUL-2004 (first entry)
 XX
 XX Pseudomonas aeruginosa polypeptide #14899.
 DE
 XX Bacterial infection; Pseudomonas aeruginosa infection; antibacterial.
 KW
 XX Pseudomonas aeruginosa.
 OS
 XX US6551795-B1.
 PN
 XX 22-APR-2003.
 PD
 XX 18-FEB-1999; 99US-00252991.
 PF
 XX 18-FEB-1998; 98US-0074788P.
 PR
 XX 27-JUL-1998; 98US-0094190P.
 PR
 XX (GENO-) GENOME THERAPEUTICS CORP.
 PA
 XX Rubenfield MJ, Nolling J, Deloughery C, Bush D;
 PI WPI; 2003-615309/58.
 DR N-PSDB; ABD16295.
 DR
 XX Novel isolated nucleic acid encoding Pseudomonas aeruginosa polypeptide,
 PT useful as molecular targets for diagnostics, prophylaxis and treatment of
 PT pathological conditions resulting from bacterial infection.
 PT
 XX Disclosure; SEQ ID NO 31470; 455pp; English.
 PS
 XX The invention relates to Pseudomonas aeruginosa polypeptides and the
 CC polynucleotides encoding them. The sequences are useful in diagnosis and

CC therapy of pathological conditions, as molecular targets for diagnostics,
 CC prophylaxis and treatment of pathological conditions resulting from a
 CC bacterial infection, for evaluating a compound, such as a polypeptide,
 CC for the ability to bind a P. aeruginosa nucleic acid, as components of
 CC effective antibacterial targets, as targets for antibacterial drugs,
 CC including anti-P. aeruginosa drugs, as templates for recombinant
 CC production of P. aeruginosa-derived peptides or polypeptides, as target
 CC components for diagnosis and/or treatment of P. aeruginosa-caused
 CC infection, and in detection of P. aeruginosa sequences or other sequences
 CC of Pseudomonas species using biochip technology. Sequences AB067826-
 CC AB084396 represent P. aeruginosa polypeptides of the invention. Note: The
 CC sequence data for this patent did not form part of the printed
 CC specification but was obtained in electronic format from USPTO at
 CC seqdata.uspto.gov/sequence.html
 XX
 XX
 SQ Sequence 480 AA;

Query Match 40.0%; Score 8; DB 7; Length 480;
 Best Local Similarity 100.0%; Pred. No. 2.1;
 Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 8 LGWRWLRR 15
 |||||
 Db 255 LGWRWLRR 262

RESULT 6
 AAO18007
 ID AAO18007 standard; peptide; 17 AA.

AC AAO18007;

XX 30-AUG-2002 (first entry)

XX Intracellular target molecule property modulation method aptamer 10.

XX Intracellular target; cellular component; property modulation;
 KW antimicrobial; immunomodulatory; nontropic; neuroprotective; metabolic;
 KW neuroleptic; cytostatic; cardiant; infection; immunological disorder;
 KW neurological disorder; metabolic disorder; psychiatric disorder;
 KW myopathy; cancer; cardiovascular disorder.

XX Unidentified.

XX EP1205191-A1.

XX 15-MAY-2002.

XX 13-NOV-2000; 2000EP-00403156.

XX 13-NOV-2000; 2000EP-00403156.

XX (CNRS) CENT NAT RECH SCI.

PA (MASS-) MASSACHUSETTS GEN HOSPITAL.

PA (MOLE-) MOLECULAR SCI INST.

XX Colas P, Brent R, Cohen BA;

XX WPI; 2002-418829/45.

XX Process for specifically modulating the properties of an intracellular
 PT target molecule used for the treatment of various disorders.

XX Example 1; Fig 1; 33pp; English.

XX The present invention relates to a process for specifically modulating
 CC the properties of an intracellular target molecule T, and/or of a
 CC cellular component C which interacts directly or indirectly in a cell
 CC with the target. The process involves the introduction into the cell of a
 CC chimeric molecule known as a targeted effector, comprising a recognition
 CC moiety capable of recognising T and an effector moiety. The chimeric
 CC protein or nucleic acid can be used in the preparation of a medicament
 CC for the treatment of microbial infections, immunological disorders,

CC neurological disorders, metabolic disorders, psychiatric disorders,
 CC myopathies, genetic disorders, cancer, cardiovascular disorders and
 CC dental disorders. The present sequence is a known anti-Cdk2 aptamer used
 CC in the exemplification of the invention

XX Sequence 17 AA;

Query Match 35.0%; Score 7; DB 5; Length 17;
 Best Local Similarity 100.0%; Pred. No. 1.7;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 WALGWRW 12
 |||||
 Db 6 WALGWRW 12

RESULT 7
 AAB64440
 ID AAB64440 standard; protein; 66 AA.

XX AAB64440;

XX 23-MAR-2001 (first entry)

XX Human secreted protein sequence encoded by gene 19 SEQ ID NO:78.

XX Human; secreted protein; diagnosis; immunosuppressive; antiarthritic;
 KW antirheumatic; antiproliferative; cytostatic; cardiant; vasotropic;
 KW cerebroprotective; nontropic; neuroprotective; antibacterial; virucide;
 KW fungicide; ophthalmological; autoimmune disease; rheumatoid arthritis;
 KW hyperproliferative disorder; neoplasm; cardiovascular disorder;
 KW cardiac arrest; cerebrovascular disorder; cerebral ischaemia; infection;
 KW angiogenesis; nervous system disorder; Alzheimer's disease; skin aging;
 KW ocular disorder; corneal infection; wound healing; food additive;
 KW preservative.

XX Homo sapiens.

XX WO200077255-A1.

XX 21-DEC-2000.

XX 01-JUN-2000; 2000WO-US014926.

XX 11-JUN-1999; 99US-0138628P.

XX (HUMA-) HUMAN GENOME SCI INC.

XX Rosen CA, Ruben SM, Komatsoulis GA;

XX WPI; 2001-025337/03.

XX N-PSDB; AAF32717.

XX Isolated nucleic acid molecule encoding a human secreted protein is used
 PT in preventing, treating or ameliorating a medical condition.

XX Claim 11; Page 520-521; 593pp; English.

XX The polynucleotide sequences given in AAF32699 to AAF32747 encode the
 CC human secreted proteins given in AAB64422 to AAB64470. AAB64471 to
 CC AAB64548 represent human secreted polypeptide sequences and proteins
 CC homologous to them, which are given in the exemplification of the present
 CC invention. Human secreted proteins have activities based on the tissues
 CC and cells the genes are expressed in. Examples of activities include:
 CC antiarthritic; immunosuppressive; antirheumatic; antiproliferative;
 CC cytostatic; cardiant; vasotropic; cerebroprotective; nontropic;
 CC neuroprotective; antibacterial; virucide; fungicide; and
 CC ophthalmological. The polynucleotides and polypeptides can be used to
 CC prevent, treat or ameliorate a medical condition in e.g. humans, mice,
 CC rabbits, goats, horses, cats, dogs, chickens or sheep. They are also used
 CC in diagnosing a pathological condition or susceptibility to a
 CC pathological condition. Disorders which are diagnosed or treated include
 CC autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative

CC disorders e.g. neoplasms of the breast or liver, cardiovascular disorders
CC e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia,
CC angiogenesis, nervous system disorders e.g. Alzheimer's disease,
CC infections caused by bacteria, viruses and fungi and ocular disorders
CC e.g. corneal infection. The polypeptides can also be used to aid wound
CC healing and epithelial cell proliferation, to prevent skin aging due to
CC sunburn, to maintain organs before transplantation, for supporting cell
CC culture of primary tissues, to regenerate tissues and in chemotaxis. The
CC polypeptides can also be used as a food additive or preservative to
CC increase or decrease storage capabilities. AAF32690 to AAF32698 and
CC AAB64421 represent sequences used in the exemplification of the present
XX invention
SQ Sequence 66 AA;

Query Match 35.0%; Score 7; DB 4; Length 66;
Best Local Similarity 100.0%; Pred. No. 4.9;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WSSWALG 9
Db 47 WSSWALG 53
|||||

RESULT 8
ADC99282
ID ADC99282 standard; peptide; 18 AA.

XX ADC99282;
XX
XX 01-JAN-2004 (first entry)
XX
XX Cancer-related DGI-2-binder peptide - SEQ ID 115.

XX cytostatic; cancer; gene therapy; DGI-2; DGI-5; DGI-7; DGI-9; Hras;
KW leptin; VEGF; vascular endothelial growth factor receptor; VEGF-R1;
KW VEGF-R2; VEGF-R3; FLT1; FMS-related tyrosine kinase 1; FLK1; KDR;
KW kinase insert domain protein receptor; EGFR; epidermal growth factor;
KW FGFR1; fibroblast growth factor; Tie-1.

XX Unidentified.
XX
XX WO2003035839-A2.
XX
XX 01-MAY-2003.

XX 24-OCT-2002; 2002WO-US034021.
XX
XX 24-OCT-2001; 2001US-0345471P.

XX (DGIB-) DGI BIOTECHNOLOGIES INC.

XX Pillutla RC, Brissette R, Spruyt M, Dedova O, Blume A;
PI Prendergast J, Goldstein N;
XX WPI; 2003-457332/43.

PT Selecting target and target binder pairs for preparing a composition for
PT treating cancer by mixing in a reaction vessel phase expressing
PT biological targets and phase expressing target binders.

XX Claim 26; SEQ ID NO 115; 172pp; English.

CC The invention relates to a novel method of selecting target and target
CC binder pairs comprising mixing in a reaction vessel phase expressing
CC biological targets and phase expressing target binders, each having
CC distinguishable selection markers and selecting target and target binder
CC pairs based on the selection markers. The molecules of the invention
CC demonstrate cytostatic activity whilst the method may be useful for
CC selecting target and target binder pairs for preparing a composition for
CC treating cancer. Furthermore, the method may be utilised during gene
CC therapy procedures. The current sequence is that of the cancer-related
CC DGI-2-binder peptide of the invention.

XX Sequence 18 AA;
SQ
Query Match 30.0%; Score 6; DB 7; Length 18;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVWSSW 6
Db 4 QVWSSW 9
|||||

RESULT 9
AAB33896
ID AAB33896 standard; protein; 55 AA.

XX AAB33896;
XX
XX 02-FEB-2001 (first entry)

XX Human secreted protein BLAST search protein SEQ ID NO: 111.

XX Cytostatic; immunosuppressive; nootropic; neuroprotective; antiviral;
KW antiallergic; hepatotropic; antidiabetic; antiinflammatory; antitumor;
KW vulnerary; anticonvulsant; antibacterial; antifungal; antiparasitic;
KW cardiant; gene therapy; cancer; immune disorder; cardiovascular disorder;
KW neurological disease; infection; human; secreted protein.

XX Homo sapiens.
XX
XX WO2000056881-A1.
XX
XX 28-SEP-2000.

XX 16-MAR-2000; 2000WO-US006782.

XX 23-MAR-1999; 99US-0125812P.
PR 10-DEC-1999; 99US-0169936P.

XX (HUMA-) HUMAN GENOME SCI INC.
PA (ROSE/) ROSEN C A.

XX Rosen CA, Ruben SM, Komatsoulis G;
XX WPI; 2000-587665/55.

XX Human secreted proteins and the nucleic acids that encode them, useful in
PT gene therapy protocols and recombinant nucleic acid based procedures.
XX Disclosure; Page 377; 410pp; English.

XX The invention relates to the isolation of genes AAC59335-C59382 encoding
CC the human secreted proteins AAB33844-B33891. The sequence is a search
CC result from a BLASTX homology search. The genes and proteins are useful
CC for preventing, ameliorating or treating medical conditions, e.g. by
CC protein or gene therapy. The genes are isolated from a range of human
CC tissues disclosed in the specification. The nucleic acids, proteins,
CC antibodies and (ant)agonists are useful in the diagnosis, treatment and
CC prevention of: (a) cancer, e.g. breast and ovarian cancer, and other
CC cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal
CC tract, liver, lung, or urogenital; (b) immune disorders e.g. Addison's
CC disease, allergies, diabetes mellitus, Crohn's disease, multiple sclerosis,
CC thyroiditis, autoimmune haemolytic anaemia, autoimmune
CC rheumatoid arthritis and ulcerative colitis; (c) cardiovascular disorders
CC such as myocardial ischaemia; (d) wound healing; (e) neurological
CC diseases e.g. cerebral anoxia and epilepsy; and (f) infectious diseases
CC such as viral, bacterial, fungal and parasitic infections

XX Sequence 55 AA;

Query Match 30.0%; Score 6; DB 3; Length 55;
Best Local Similarity 100.0%; Pred. No. 47;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
Db |||||
7 SSWALG 12

RESULT 10
ABE15989
ID ABE15989 standard; protein; 66 AA.
XX
AC ABE15989;
XX
DT 23-JAN-2002 (first entry)
XX
DE Human nervous system related polypeptide SEQ ID NO 4646.
XX
KW Human; nootropic; neuroprotective; cytostatic; dermatological; virucide;
KW immunosuppressive; antiinflammatory; anti-HIV; antibacterial; vulnerary;
KW antiparkinsonian; antispasmodic; antianaemic; antiarthritic; cancer;
KW antirheumatic; hepatotropic; cerebroprotective; antiinflammatory;
KW antiallergic; antidiabetic; antiulcer; anticonvulsant; antifungal;
KW antiparasitic; cardiant; immune disorder; cardiovascular disorder;
KW neurological disease; infection; nephrotropic; gene therapy; vaccine.
XX
OS Homo sapiens.
XX
PN WO200159063-A2.
XX
PD 16-AUG-2001.
XX
PF 17-JAN-2001; 2001WO-US001334.
XX
PR 31-JAN-2000; 2000US-0179065P.
PR 04-FEB-2000; 2000US-0180628P.
PR 24-FEB-2000; 2000US-0184664P.
PR 02-MAR-2000; 2000US-0186350P.
PR 16-MAR-2000; 2000US-0189874P.
PR 17-MAR-2000; 2000US-0190076P.
PR 18-APR-2000; 2000US-0198123P.
PR 19-MAY-2000; 2000US-0203515P.
PR 07-JUN-2000; 2000US-0209467P.
PR 28-JUN-2000; 2000US-0214886P.
PR 30-JUN-2000; 2000US-0215135P.
PR 07-JUL-2000; 2000US-0216647P.
PR 07-JUL-2000; 2000US-0216880P.
PR 11-JUL-2000; 2000US-0217487P.
PR 14-JUL-2000; 2000US-0217496P.
PR 14-JUL-2000; 2000US-0218290P.
PR 26-JUL-2000; 2000US-0220963P.
PR 26-JUL-2000; 2000US-0220964P.
PR 14-AUG-2000; 2000US-0224518P.
PR 14-AUG-2000; 2000US-0224519P.
PR 14-AUG-2000; 2000US-0225213P.
PR 14-AUG-2000; 2000US-0225214P.
PR 14-AUG-2000; 2000US-0225266P.
PR 14-AUG-2000; 2000US-0225267P.
PR 14-AUG-2000; 2000US-0225268P.
PR 14-AUG-2000; 2000US-0225270P.
PR 14-AUG-2000; 2000US-0225447P.
PR 14-AUG-2000; 2000US-0225757P.
PR 14-AUG-2000; 2000US-0225758P.
PR 14-AUG-2000; 2000US-0225759P.
PR 18-AUG-2000; 2000US-0226279P.
PR 22-AUG-2000; 2000US-0226881P.
PR 22-AUG-2000; 2000US-0226886P.
PR 22-AUG-2000; 2000US-0227182P.
PR 23-AUG-2000; 2000US-0227009P.
PR 30-AUG-2000; 2000US-0228924P.
PR 01-SEP-2000; 2000US-0229287P.
PR 01-SEP-2000; 2000US-0229343P.
PR 01-SEP-2000; 2000US-0229344P.
PR 01-SEP-2000; 2000US-0229345P.
PR 05-SEP-2000; 2000US-0229509P.
PR 05-SEP-2000; 2000US-0229513P.
PR 06-SEP-2000; 2000US-0230437P.
PR 06-SEP-2000; 2000US-0230438P.
PR 08-SEP-2000; 2000US-0231242P.
PR 08-SEP-2000; 2000US-0231243P.
PR 08-SEP-2000; 2000US-0231244P.
PR 08-SEP-2000; 2000US-0231413P.
PR 08-SEP-2000; 2000US-0231414P.
PR 08-SEP-2000; 2000US-0232080P.
PR 08-SEP-2000; 2000US-0232081P.
PR 12-SEP-2000; 2000US-0231968P.
PR 14-SEP-2000; 2000US-0232397P.
PR 14-SEP-2000; 2000US-0232398P.
PR 14-SEP-2000; 2000US-0232399P.
PR 14-SEP-2000; 2000US-0232400P.
PR 14-SEP-2000; 2000US-0232401P.
PR 14-SEP-2000; 2000US-0233063P.
PR 14-SEP-2000; 2000US-0233064P.
PR 21-SEP-2000; 2000US-0233065P.
PR 21-SEP-2000; 2000US-0234223P.
PR 21-SEP-2000; 2000US-0234274P.
PR 25-SEP-2000; 2000US-0234997P.
PR 25-SEP-2000; 2000US-0234998P.
PR 26-SEP-2000; 2000US-0235484P.
PR 27-SEP-2000; 2000US-0235834P.
PR 27-SEP-2000; 2000US-0235836P.
PR 29-SEP-2000; 2000US-0236327P.
PR 29-SEP-2000; 2000US-0236367P.
PR 29-SEP-2000; 2000US-0236368P.
PR 29-SEP-2000; 2000US-0236369P.
PR 29-SEP-2000; 2000US-0236370P.
PR 02-OCT-2000; 2000US-0236802P.
PR 02-OCT-2000; 2000US-0237037P.
PR 02-OCT-2000; 2000US-0237038P.
PR 02-OCT-2000; 2000US-0237039P.
PR 13-OCT-2000; 2000US-0237040P.
PR 13-OCT-2000; 2000US-0239935P.
PR 13-OCT-2000; 2000US-0239937P.
PR 20-OCT-2000; 2000US-0240960P.
PR 20-OCT-2000; 2000US-0241785P.
PR 20-OCT-2000; 2000US-0241786P.
PR 20-OCT-2000; 2000US-0241787P.
PR 20-OCT-2000; 2000US-0241808P.
PR 20-OCT-2000; 2000US-0241809P.
PR 20-OCT-2000; 2000US-0241826P.
PR 20-OCT-2000; 2000US-0242221P.
PR 01-NOV-2000; 2000US-0244617P.
PR 08-NOV-2000; 2000US-0246474P.
PR 08-NOV-2000; 2000US-0246475P.
PR 08-NOV-2000; 2000US-0246476P.
PR 08-NOV-2000; 2000US-0246477P.
PR 08-NOV-2000; 2000US-0246478P.
PR 08-NOV-2000; 2000US-0246523P.
PR 08-NOV-2000; 2000US-0246524P.
PR 08-NOV-2000; 2000US-0246525P.
PR 08-NOV-2000; 2000US-0246526P.
PR 08-NOV-2000; 2000US-0246527P.
PR 08-NOV-2000; 2000US-0246528P.
PR 08-NOV-2000; 2000US-0246532P.
PR 08-NOV-2000; 2000US-0246609P.
PR 08-NOV-2000; 2000US-0246610P.
PR 08-NOV-2000; 2000US-0246611P.
PR 08-NOV-2000; 2000US-0246613P.
PR 17-NOV-2000; 2000US-0249207P.
PR 17-NOV-2000; 2000US-0249208P.
PR 17-NOV-2000; 2000US-0249209P.
PR 17-NOV-2000; 2000US-0249210P.
PR 17-NOV-2000; 2000US-0249211P.
PR 17-NOV-2000; 2000US-0249212P.
PR 17-NOV-2000; 2000US-0249213P.
PR 17-NOV-2000; 2000US-0249214P.
PR 17-NOV-2000; 2000US-0249215P.
PR 17-NOV-2000; 2000US-0249216P.

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PR 17-NOV-2000; 2000US-0249217P.
PR 17-NOV-2000; 2000US-0249218P.
PR 17-NOV-2000; 2000US-0249244P.
PR 17-NOV-2000; 2000US-0249245P.
PR 17-NOV-2000; 2000US-0249264P.
PR 17-NOV-2000; 2000US-0249265P.
PR 17-NOV-2000; 2000US-0249297P.
PR 17-NOV-2000; 2000US-0249299P.
PR 17-NOV-2000; 2000US-0249300P.
PR 01-DEC-2000; 2000US-0250391P.
PR 01-DEC-2000; 2000US-02511160P.
PR 05-DEC-2000; 2000US-0251030P.
PR 05-DEC-2000; 2000US-0251988P.
PR 05-DEC-2000; 2000US-0256719P.
PR 06-DEC-2000; 2000US-0251479P.
PR 08-DEC-2000; 2000US-0251856P.
PR 08-DEC-2000; 2000US-0251868P.
PR 08-DEC-2000; 2000US-0251869P.
PR 08-DEC-2000; 2000US-0251989P.
PR 08-DEC-2000; 2000US-0251990P.
PR 11-DEC-2000; 2000US-0254097P.
PR 05-JAN-2001; 2001US-0259678P.
XX
XX (HUMA-) HUMAN GENOME SCI INC.
XX
XX Rosen CA, Barash SC, Ruben SM;
PI
XX
XX WPI; 2001-541565/60.
XX N-PSDB; ABA12315.
XX
XX Nucleic acids encoding 3224 human nervous system antigen polypeptides,
PT useful for preventing, diagnosing and/or treating nervous system cancers
PT and metastases.
XX
XX Claim 11; SEQ ID NO 4646; 1701pp + Sequence Listing; English.
XX
XX The invention relates to novel genes (ABA11004-ABA21534) and proteins
XX (ABB14678-ABB18001) useful for preventing, treating or ameliorating
XX medical conditions e.g. by protein or gene therapy. The genes are
XX isolated from a range of human tissues disclosed in the specification.
XX The nucleic acids, proteins, antibodies and (ant)agonists are useful in
XX the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and
XX ovarian cancer and other cancers of the adrenal gland, bone, bone marrow,
XX breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune
XX disorders e.g. Addison's disease, allergies, autoimmune haemolytic
XX anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease,
XX multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c)
XX cardiovascular disorders such as myocardial ischaemia; and (f)
XX ; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and
XX infectious diseases such as viral, bacterial, fungal and parasitic
XX infections. Note: The sequence data for this patent did not form part of
XX the printed specification, but was obtained in electronic format directly
XX from WIPO at ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 66 AA;
XX
XX Query Match 30.0%; Score 6; DB 4; Length 66;
XX Best Local Similarity 100.0%; Pred. No. 54;
XX Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 5 SWALGW 10
XX Db 60 SWALGW 65
XX
XX RESULT 11
XX AAY85124
XX ID AAY85124 standard; peptide; 71 AA.
XX
XX AC AAY85124;
XX
XX 06-AUG-2003 (revised)
XX DT 20-JUN-2000 (first entry)
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```
XX Hepatitis B virus surface antigen F amino acid sequence.
XX
XX Annexin binding epitope; hepatitis B virus; hepatitis D virus; influenza;
XX benzodiazepine; binding inhibitor; cytomegalovirus; viral infection;
XX benzothiazepine.
XX
XX Hepatitis B virus.
XX
XX WO200012547-A2.
XX
XX 09-MAR-2000.
XX
XX 25-AUG-1999; 99WO-BP006231.
XX
XX 01-SEP-1998; 98EP-00870186.
XX 29-MAR-1999; 99EP-00870062.
XX
XX (INNO-) INNOGENETICS NV.
XX
XX Depla E, Moereels H, Maertens G;
XX
XX WPI; 2000-256586/22.
XX
XX New benzodiazepine and benzothiazepine derivatives, useful for treating
XX or preventing viral infection, contain peptides that include an annexin-
XX binding epitope.
XX
XX Example 5; Page 29; 60pp; English.
XX
XX This sequence represents a fragment of the hepatitis B virus surface
XX antigen F amino acid sequence. The antigen sequence is used to determine
XX the best sequence to use as a source of peptides for the composition of
XX the invention. The invention relates to benzodiazepine derivatives
XX derivatised with at least one peptide containing an annexin binding
XX epitope of an annexin binding protein (see AAY85082-Y85115) or its
XX fragment. Annexins are calcium dependent phospholipid binding proteins.
XX 1,4-benzodiazepines and 1,4-benzothiazepines can bind to annexin V, as
XX can the hepatitis B small surface antigen. The compositions of the
XX invention bind to cell surface annexins, and inhibit the binding and
XX entry of viruses to the cell. The benzodiazepine derivatives and some
XX related known compounds, are used to treat or prevent diseases involving
XX protein interactions with annexins, particularly viral infections and
XX specifically hepatitis B and/or D, cytomegalovirus or influenza or
XX screen for compounds that block binding between annexins and their
XX interacting proteins. (Updated on 06-AUG-2003 to correct OS field.)
XX
XX Sequence 71 AA;
XX
XX Query Match 30.0%; Score 6; DB 3; Length 71;
XX Best Local Similarity 100.0%; Pred. No. 58;
XX Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 4 SSWALG 9
XX Db 56 SSWALG 61
XX
XX RESULT 12
XX ABG13552
XX ID ABG13552 standard; protein; 86 AA.
XX
XX AC ABG13552;
XX
XX 18-FEB-2002 (first entry)
XX DT
XX DE Novel human diagnostic protein #13543.
XX
XX KW Human; chromosome mapping; gene mapping; gene therapy; forensic;
XX KW food supplement; medical imaging; diagnostic; genetic disorder.
XX
XX OS Homo sapiens.
XX
XX
```

PN WO200175067-A2.
 XX 11-OCT-2001.
 XX 30-MAR-2001; 2001WO-US008631.
 XX 31-MAR-2000; 2000US-00540217.
 PR 23-AUG-2000; 2000US-00649167.
 XX (HYSE-) HYSEQ INC.
 XX Drmanac RT, Liu C, Tang YT;
 PI WPI; 2001-639362/73.
 XX DR N-PSDB; AAS77739.
 XX New isolated polynucleotide and encoded polypeptides, useful in
 PT diagnostics, forensics, gene mapping, identification of mutations
 PT responsible for genetic disorders or other traits and to assess
 PT biodiversity.
 XX Claim 20; SEQ ID NO 43911; 103pp; English.
 XX The invention relates to isolated polynucleotide (I) and polypeptide (II)
 CC sequences. (I) is useful as hybridisation probes, polymerase chain
 CC reaction (PCR) primers, oligomers, and for chromosome and gene mapping,
 CC and in recombinant production of (II). The polynucleotides are also used
 CC in diagnostics as expressed sequence tags for identifying expressed
 CC genes. (I) is useful in gene therapy techniques to restore normal
 CC activity of (II) or to treat disease states involving (II). (II) is
 CC useful for generating antibodies against it, detecting or quantitating a
 CC polypeptide in tissue, as molecular weight markers and as a food
 CC supplement. (II) and its binding partners are useful in medical imaging
 CC of sites expressing (II). (I) and (II) are useful for treating disorders
 CC involving aberrant protein expression or biological activity. The
 CC polypeptide and polynucleotide sequences have applications in
 CC diagnostics, forensics, gene mapping, identification of mutations
 CC responsible for genetic disorders or other traits to assess biodiversity
 CC and to produce other types of data and products dependent on DNA and
 CC amino acid sequences. ABG00010-ABG30377 represent novel human diagnostic
 CC amino acid sequences of the invention. Note: The sequence data for this
 CC patent did not appear in the printed specification, but was obtained in
 CC electronic format directly from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 86 AA;
 SQ

Query Match 30.0%; Score 6; DB 4; Length 86;
 Best Local Similarity 100.0%; Pred. No. 67;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VMSSWA 7
 Db 21 VMSSWA 26
 |||||
 |||||

RESULT 13
 AAU58561
 ID AAU58561 standard; protein; 97 AA.
 XX AAU58561;
 AC
 XX 13-FEB-2002 (first entry)
 DT
 XX Propionibacterium acnes immunogenic protein #19457.
 DE
 XX SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis;
 KW uveitis; endophthalmitis; bone; joint; central nervous system; ELISA;
 KW inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay;
 KW dermatological; osteopathic; neuroprotectant.
 XX
 XX Propionibacterium acnes.
 OS
 XX

PN WO200181581-A2.
 XX 01-NOV-2001.
 XX 20-APR-2001; 2001WO-US012865.
 XX 21-APR-2000; 2000US-0199047P.
 PR 02-JUN-2000; 2000US-0208841P.
 PR 07-JUL-2000; 2000US-0216747P.
 XX (CORI-) CORIXA CORP.
 XX Skeiky YAM, Persing DH, Mitcham JL, Wang SS, Bhatia A;
 PI L'maisonneuve J, Zhang Y, Jen S, Carter D;
 XX WPI; 2001-616774/71.
 DR N-PSDB; AAS59592.
 XX Propionibacterium acnes polypeptides and nucleic acids useful for
 PT vaccinating against and diagnosing infections, especially useful for
 PT treating acne vulgaris.
 XX Example 1; SEQ ID NO 19756; 1069pp; English.
 PS
 XX Sequences AAU9105-AAU68017 represent Propionibacterium acnes immunogenic
 CC polypeptides. The proteins and their associated DNA sequences are used in
 CC the treatment, prevention and diagnosis of medical conditions caused by
 CC P. acnes. The disorders include SAPHO syndrome (synovitis, acne,
 CC pustulosis, hypertosis and osteomyelitis), uveitis and endophthalmitis.
 CC P. acnes is also involved in infections of bone, joints and the central
 CC nervous system, however it is particularly involved in the inflammatory
 CC lesions associated with acne vulgaris. A method for detecting the
 CC presence or absence of P. acnes in a patient comprises contacting a
 CC sample with a binding agent that binds to the proteins of the invention
 CC and determining the amount of bound protein in the sample. The
 CC polypeptides may be used as antigens in the production of antibodies
 CC specific for P. acnes proteins. These antibodies can be used to
 CC downregulate expression and activity of P. acnes polypeptides and
 CC therefore treat P. acnes infections. The antibodies may also be used as
 CC diagnostic agents for determining P. acnes presence, for example, by
 CC enzyme linked immunosorbent assay (ELISA). Note: The sequence data for
 CC this patent did not form part of the printed specification, but was
 CC obtained in electronic format directly from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX Sequence 97 AA;
 SQ

Query Match 30.0%; Score 6; DB 4; Length 97;
 Best Local Similarity 100.0%; Pred. No. 74;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WSSWAL 8
 Db 68 WSSWAL 73
 |||||
 |||||

RESULT 14
 ABM55080
 ID ABM55080 standard; protein; 97 AA.
 XX ABM55080;
 AC
 XX 20-OCT-2003 (first entry)
 DT
 XX Propionibacterium acnes predicted ORF-encoded polypeptide #19756.
 DE
 XX Acne vulgaris; antisporrheic; dermatological; antibacterial;
 KW immunostimulant; immune response; vaccine.
 KW
 XX Propionibacterium acnes.
 OS
 XX
 XX WO2003033515-A1.
 PN
 XX

PD 24-APR-2003.
 XX
 XX
 XX 11-OCT-2002; 2002WO-US032727.
 XX
 XX 15-OCT-2001; 2001US-00978825.
 XX
 XX (CORI-) CORIXA CORP.
 XX
 XX Mitcham JL, Skeiky YAW, Persing DH, Bhatia A, Maisonneuve JL;
 PI Zhang Y, Wang S, Jen S, Lodes MJ, Benson DR, Jones R, Carter D;
 PI Barth B, Vallieue-Douglas J;
 XX
 XX WPI; 2003-381789/36.
 DR N-PSDB; ACF64521.
 DR
 XX
 XX New Propionibacterium acnes polypeptides and polynucleotides encoding the
 PT polypeptide, useful for diagnosing, preventing or treating acne vulgaris,
 PT or for stimulating an immune response specific for a P. acnes protein.
 XX
 XX Example 1; SEQ ID NO 19756; 1481pp; English.
 XX
 XX The invention relates to an isolated polynucleotide (ACF64435-ACF64733)
 CC encoding a Propionibacterium acnes protein. The invention also relates to
 CC polypeptides encoded by the polynucleotides (ABM35624-ABM64536) and to
 CC immunogenic fragments of P. acnes polypeptides. The invention
 CC additionally encompasses expression vectors and host cells comprising a
 CC polynucleotide of the invention; antibodies against polypeptides of the
 CC invention; fusion proteins comprising a polypeptide of the invention; a
 CC method for stimulating an immune response specific for a P. acnes
 CC polypeptide and an isolated T cell population comprising T cells prepared
 CC via this method; a vaccine composition (comprising P. acnes polypeptides,
 CC polynucleotides, antibodies, fusion proteins, T cell populations, or
 CC antigen-presenting cells that express the polypeptide); a method and kit
 CC for detecting or determining the presence or absence of P. acnes in a
 CC patient; and a method for inhibiting the development of P. acnes in a
 CC patient. The P. acnes polypeptides, polynucleotides, antibodies, fusion
 CC proteins, T cell populations or antigen-presenting cells that express the
 CC polypeptides are useful for diagnosing, preventing or treating acne
 CC vulgaris, or for stimulating an immune response specific for a P. acnes
 CC protein. The polynucleotides can also be used as probes or primers for
 CC nucleic acid hybridisation. The vaccine composition is useful for the
 CC stimulation of an immune response against P. acnes, or for treating acne,
 CC and the kit is useful for performing a diagnostic assay. The present
 CC sequence represents a polypeptide predicted to be encoded by an ORF (open
 CC reading frame) contained within the P. acnes polynucleotides of the
 CC invention. Note: The sequence data for this patent did not form part of
 CC the printed specification, but was obtained in electronic format directly
 CC from WIPO at ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 97 AA;
 Query Match 30.0%; Score 6; DB 6; Length 97;
 Best Local Similarity 100.0%; Pred. No. 74;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 3 WSSWAL 8
 Db 68 WSSWAL 73
 |||||
 |||||
 RESULT 15
 ABM64638
 ID ABM64638 standard; protein; 98 AA.
 XX
 XX ABM64638;
 AC
 XX 20-OCT-2003 (first entry)
 DT
 XX Propionibacterium acnes immunogenic polypeptide #29314.
 DE
 XX Acne vulgaris; antiseborrheic; dermatological; antibacterial;
 KW immunostimulant; immune response; vaccine; immunogenic.
 XX
 XX

OS Propionibacterium acnes.
 XX
 XX WO2003033515-A1.
 XX
 XX 24-APR-2003.
 XX
 XX 11-OCT-2002; 2002WO-US032727.
 XX
 XX 15-OCT-2001; 2001US-00978825.
 PR
 XX (CORI-) CORIXA CORP.
 PA
 XX Mitcham JL, Skeiky YAW, Persing DH, Bhatia A, Maisonneuve JL;
 PI Zhang Y, Wang S, Jen S, Lodes MJ, Benson DR, Jones R, Carter D;
 PI Barth B, Vallieue-Douglas J;
 XX
 XX WPI; 2003-381789/36.
 DR
 XX New Propionibacterium acnes polypeptides and polynucleotides encoding the
 PT polypeptide, useful for diagnosing, preventing or treating acne vulgaris,
 PT or for stimulating an immune response specific for a P. acnes protein.
 XX
 XX Claim 7; SEQ ID NO 29314; 1481pp; English.
 PS
 XX The invention relates to an isolated polynucleotide (ACF64435-ACF64733)
 CC encoding a Propionibacterium acnes protein. The invention also relates to
 CC polypeptides encoded by the polynucleotides (ABM35624-ABM64536) and to
 CC immunogenic fragments of P. acnes polypeptides. The invention
 CC additionally encompasses expression vectors and host cells comprising a
 CC polynucleotide of the invention; antibodies against polypeptides of the
 CC invention; fusion proteins comprising a polypeptide of the invention; a
 CC method for stimulating an immune response specific for a P. acnes
 CC polypeptide and an isolated T cell population comprising T cells prepared
 CC via this method; a vaccine composition (comprising P. acnes polypeptides,
 CC polynucleotides, antibodies, fusion proteins, T cell populations, or
 CC antigen-presenting cells that express the polypeptide); a method and kit
 CC for detecting or determining the presence or absence of P. acnes in a
 CC patient; and a method for inhibiting the development of P. acnes in a
 CC patient. The P. acnes polypeptides, polynucleotides, antibodies, fusion
 CC proteins, T cell populations or antigen-presenting cells that express the
 CC polypeptides are useful for diagnosing, preventing or treating acne
 CC vulgaris, or for stimulating an immune response specific for a P. acnes
 CC protein. The polynucleotides can also be used as probes or primers for
 CC nucleic acid hybridisation. The vaccine composition is useful for the
 CC stimulation of an immune response against P. acnes, or for treating acne,
 CC and the kit is useful for performing a diagnostic assay. The present
 CC sequence represents a polypeptide predicted to be encoded by an ORF (open
 CC reading frame) contained within the P. acnes polynucleotides of the
 CC invention. Note: The sequence data for this patent did not form part of
 CC the printed specification, but was obtained in electronic format directly
 CC from WIPO at ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 98 AA;
 Query Match 30.0%; Score 6; DB 6; Length 98;
 Best Local Similarity 100.0%; Pred. No. 74;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 3 WSSWAL 8
 Db 69 WSSWAL 74
 |||||
 |||||
 RESULT 16
 ABP64437
 ID ABP64437 standard; protein; 112 AA.
 XX
 XX ABP64437;
 AC
 XX 04-NOV-2002 (first entry)
 DT
 XX Human ORF807.
 DE
 XX

KW Cytostatic; Cardiant; Anti-allergic; Immunosuppressive; Vulnery;
KW Antinflammatory; gene therapy; human; ORFX; atherogenic; platelet;
KW human umbilical vein endothelial cell; HUVEC; atherosclerotic plaque;
KW cancer; cardiovascular disease; allergy; autoimmune disease;
KW wound healing; blood coagulation disorder; inflammatory disorder.
XX
OS Homo sapiens.
XX
XX US2002082206-A1.
XX
XX 27-JUN-2002.
XX
XX 30-MAY-2001; 2001US-00867550.
XX
XX 30-MAY-2000; 2000US-0208427P.
XX
XX (LEAC/) LEACH M D.
XX (MEHR/) MEHRABAN F.
XX (CONL/) CONLEY P B.
XX (TOPP/) TOPPER J N.
XX (LAWD/) LAW D.
XX
XX Leach MD, Mehraban F, Conley PB, Topper JN, Law D;
PI
XX
XX WPI; 2002-626554/67.
XX
XX N-PSDB; ABQ99000.
XX
XX New polypeptide designated ORFX are present in human atherogenic cells
PT and are useful to prevent and treat ORFX-associated disorders including
PT cancer, allergy, wound healing or autoimmune, cardiovascular or
PT inflammatory disease.
XX
XX Claim 10; SEQ ID NO 1614; 78pp; English.
XX
XX The present invention relates to novel human ORFX polypeptides and their
CC coding sequences (ABP63631-RBP64681 and ABQ98194-ABQ99267). The sequences
CC were discovered in human atherogenic cells, in particular in platelets
CC and human umbilical vein endothelial cells (HUVEC) and are expressed in
CC many other tissues as well. Atherogenic cells are cells which have the
CC potential to develop atherosclerotic plaques. The ORFX polypeptides and
CC nucleic acids are useful for treating or preventing a pathological
CC condition associated with an ORFX-associated disorder, e.g. cancer,
CC cardiovascular disease, allergy, autoimmune disease, wound healing, blood
CC coagulation disorders or inflammatory disorders. Note: The sequence data
CC for this patent did not form part of the printed specification, but was
CC obtained in electronic format directly from the USPTO web site at
CC seqdata.uspto.gov/sequence.html?DocID=20020082206
XX
XX Sequence 112 AA;
SQ
Query Match 30.0%; Score 6; DB 5; Length 112;
Best Local Similarity 100.0%; Pred. No. 83;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 12 WLRRYG 17
Db 4 WLRRYG 9
|||||
RESULT 17
AAU42749
ID AAU42749 standard; protein; 114 AA.
XX
XX AAU42749;
XX
XX 13-FEB-2002 (first entry)
XX
XX Propionibacterium acnes immunogenic protein #3645.
XX
XX SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis;
KW uveitis; endophthalmitis; bone; joint; central nervous system; ELISA;
KW inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay;
KW dermatological; osteopathic; neuroprotectant.
KW

XX Propionibacterium acnes.
XX
XX WC200181581-A2.
XX
XX 01-NOV-2001.
XX
XX 20-APR-2001; 2001WO-US012865.
XX
XX 21-APR-2000; 2000US-0199047P.
XX 02-JUN-2000; 2000US-0208841P.
XX 07-JUL-2000; 2000US-0216747P.
XX
XX (CORI-) CORIXA CORP.
XX
XX Skeiky YAW, Persing DH, Mitcham JL, Wang SS, Bhatia A;
PI L'maisonneuve J, Zhang Y, Jen S, Carter D;
XX
XX WPI; 2001-616774/71.
XX N-PSDB; AAS59518.
XX
XX Propionibacterium acnes polypeptides and nucleic acids useful for
PT vaccinating against and diagnosing infections, especially useful for
PT treating acne vulgaris.
XX
XX Example 1; SEQ ID NO 3944; 1069pp; English.
XX
XX Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic
CC polypeptides. The proteins and their associated DNA sequences are used in
CC the treatment, prevention and diagnosis of medical conditions caused by
CC P. acnes. The disorders include SAPHO syndrome (synovitis, acne,
CC pustulosis, hypertosis and osteomyelitis), uveitis and endophthalmitis.
CC P. acnes is also involved in infections of bone, joints and the central
CC nervous system, however it is particularly involved in the inflammatory
CC lesions associated with acne vulgaris. A method for detecting the
CC presence or absence of P. acnes in a patient comprises contacting a
CC sample with a binding agent that binds to the proteins of the invention
CC and determining the amount of bound protein in the sample. The
CC polypeptides may be used as antigens in the production of antibodies
CC specific for P. acnes proteins. These antibodies can be used to
CC downregulate expression and activity of P. acnes polypeptides and
CC therefore treat P. acnes infections. The antibodies may also be used as
CC diagnostic agents for determining P. acnes presence, for example, by
CC enzyme linked immunosorbent assay (ELISA). Note: The sequence data for
CC this patent did not form part of the printed specification, but was
CC obtained in electronic format directly from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX Sequence 114 AA;
SQ
Query Match 30.0%; Score 6; DB 4; Length 114;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 VWSSWA 7
Db 96 VWSSWA 101
|||||
RESULT 18
ABM39268
ID ABM39268 standard; protein; 114 AA.
XX
XX ABM39268;
XX
XX 20-OCT-2003 (first entry)
XX
XX Propionibacterium acnes predicted ORF-encoded polypeptide #3944.
XX
XX Acne vulgaris; antisporrheic; dermatological; antibacterial;
KW immunostimulant; immune response; vaccine.
XX
XX Propionibacterium acnes.
OS

KW cell culture; drug screening; gene therapy; antiinflammatory;
KW antiasthmatic; antiarthritic; haemostatic; antiarteriosclerotic;
KW cytostatic; osteopathic; vasotropic; cardiant; virucide; antibacterial;
KW antifungal; vulnery; antiulcer.
XX
OS Homo sapiens.
XX
PN WO200157188-A2.
XX
XX 09-AUG-2001.
XX
XX 05-FEB-2001; 2001WO-US003800.
XX
XX 03-FEB-2000; 2000US-00496914.
XX
XX 27-APR-2000; 2000US-00560875.
XX
XX (HYSE-) HYSEQ INC.
XX
XX Tang YT, Liu C, Drmanac RT;
XX
XX WPI; 2001-457740/49.
XX
XX N-PSDB; ABA08328.
XX
XX Human proteins and DNA encoding sequences useful for preventing, treating
XX or ameliorating a medical condition in a mammalian subject e.g. arthritis
XX and cancer.
XX
XX Claim 20; Page 144; 1963pp; English.
XX
XX Sequences ABB10981-ABB12330 represent 1350 novel human polypeptides, and
XX sequences ABA08225-ABA09574 represent nucleic acids encoding them. The
XX invention also relates to vectors and recombinant host cells comprising a
XX nucleotide of the invention, methods of producing the novel polypeptides,
XX antibodies against the polypeptides, methods of detecting the nucleotides
XX or polypeptides in a sample, and methods of identifying compounds which
XX bind to polypeptides of the invention. Although novel, many of the
XX polypeptides of the invention have homology to known proteins, thereby
XX giving an insight into their probable biological activities, and hence
XX potential therapeutic applications. The polypeptides of the invention may
XX have various activities, including cytokine, cell proliferation or cell
XX differentiation activities; stem cell growth factor activity;
XX haematopoiesis regulatory activity; tissue growth activity;
XX immunomodulatory activity; activin- or inhibin-related activities;
XX chemotactic or chemokinetic activities; haemostatic, thrombotic or
XX thrombolytic activities; receptor or ligand activities; or may be
XX involved in oncogenesis, cancer cell proliferation or metastasis.
XX Depending on their biological activities, polypeptides and nucleotides of
XX the invention are useful for preventing, treating or ameliorating medical
XX conditions, e.g., by protein or gene therapy. Such conditions include
XX cancers, haematopoietic disorders (e.g., myeloid or lymphoid cell
XX disorders), chronic inflammatory conditions (e.g., asthma or arthritis),
XX proliferative retinopathy, atherosclerosis, coronary heart disease,
XX arterial ischaemia, bone disorders (e.g., osteoporosis), and abnormal
XX vascular growth. Polypeptides involved with tissue regeneration and
XX repair (or nucleic acids encoding them) may be used to promote wound
XX healing (e.g., of burns, incisions and ulcers), while those with
XX immunomodulatory activities may be used in the treatment of viral,
XX bacterial and fungal infections in addition to immune disorders.
XX Polypeptides with growth factor activity may be used in cell cultures to
XX promote cell growth. For example, such polypeptides may be used to
XX manipulate stem cells in culture to give rise to neuroepithelial cells
XX that can be used to augment or replace cells damaged by illness,
XX autoimmune disease or accidental damage. The polypeptides and nucleotides
XX may also be used in the diagnosis of the above conditions, and in drug
XX screening techniques. The present sequence represents a novel human
XX polypeptide of the invention
XX
XX Sequence 143 AA;

Query Match 30.0%; Score 6; DB 4; Length 143;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WSSWAL 8
Db 89 WSSWAL 94
RESULT 21
ADC86943
ID ADC86943 standard; protein; 165 AA.
XX
XX ADC86943;
XX
XX 01-JAN-2004 (first entry)
XX
XX Human GPCR protein SEQ ID NO:1396.
XX
XX human; GPCR; guanosine triphosphate-binding protein coupled receptor;
XX gene therapy.
XX
XX Homo sapiens.
XX
XX EP1270724-A2.
XX
XX 02-JAN-2003.
XX
XX 18-JUN-2002; 2002EP-00013517.
XX
XX 18-JUN-2001; 2001JP-00246789.
XX
XX (NAAD-) NAT INST ADVANCED IND SCI & TECHNOLOGY.
XX (ADSC-) CENT ADVANCED SCI & TECHNOLOGY INCUBATIO.
XX
XX Suwa M, Asai K, Akiyama Y, Aburatani H;
XX
XX WPI; 2003-315783/31.
XX
XX N-PSDB; ADC86942.
XX
XX New polynucleotide, useful for preparing a composition for treating a
XX patient in need of increased or suppressed activity or expression of the
XX guanosine triphosphate-binding protein coupled receptor.
XX
XX Claim 2; SEQ ID NO 1396; 28pp; English.
XX
XX The invention relates to a novel polynucleotide encoding a guanosine
XX triphosphate-binding protein coupled receptor (GPCR). A polynucleotide of
XX the invention may have a use in gene therapy. The polynucleotide and
XX polypeptide are useful for preparing a composition for treating a patient
XX in need of increased or suppressed activity or expression of the
XX guanosine triphosphate-binding protein coupled receptor. The protein
XX sequences shown in ADC85549-ADC87617 represent GPCR's of the invention.
XX
XX Sequence 165 AA;
QY 5 SWALGW 10
Db 57 SWALGW 62
Query Match 30.0%; Score 6; DB 7; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.1e-02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
RESULT 22
ABO78072
ID ABO78072 standard; protein; 171 AA.
XX
XX ABO78072;
XX
XX 29-JUL-2004 (first entry)
XX
XX Pseudomonas aeruginosa polypeptide #10247.
XX
XX Bacterial infection; Pseudomonas aeruginosa infection; antibacterial.
XX

OS Pseudomonas aeruginosa.
 XX US6551795-B1.
 PN
 XX
 PD
 XX 22-APR-2003.
 XX
 PF 18-FEB-1999; 99US-00252991.
 XX
 PF 18-FEB-1998; 98US-0074788P.
 PR
 PF 27-JUL-1998; 98US-0094190P.
 PR
 XX (GENO-) GENOME THERAPEUTICS CORP.
 XX
 PA Rubenfield MJ, Nolling J, Deloughery C, Bush D;
 PI
 PI WPI; 2003-615309/58.
 DR
 DR N-PSDB; ABD11643.
 XX
 XX Novel isolated nucleic acid encoding Pseudomonas aeruginosa polypeptide,
 PT useful as molecular targets for diagnostics, prophylaxis and treatment of
 PT pathological conditions resulting from bacterial infection.
 PT
 XX
 PS Disclosure; SEQ ID NO 26818; 455pp; English.
 XX
 XX The invention relates to Pseudomonas aeruginosa polypeptides and the
 CC polynucleotides encoding them. The sequences are useful in diagnosis and
 CC therapy of pathological conditions, as molecular targets for diagnostics, and
 CC prophylaxis and treatment of pathological conditions resulting from a
 CC bacterial infection, for evaluating a compound, such as a polypeptide,
 CC for the ability to bind a P. aeruginosa nucleic acid, as components of
 CC effective antibacterial targets, as targets for antibacterial drugs,
 CC including anti-P. aeruginosa drugs, as templates for recombinant
 CC production of P. aeruginosa-derived peptides or polypeptides, as target
 CC components for diagnosis and/or treatment of P. aeruginosa-caused
 CC infection, and in detection of P. aeruginosa sequences or other sequences
 CC of Pseudomonas species using biochip technology. Sequences AB067826-
 CC AB084396 represent P. aeruginosa polypeptides of the invention. Note: The
 CC sequence data for this patent did not form part of the printed
 CC specification but was obtained in electronic format from USPTO at
 CC seqdata.uspto.gov/sequence.html
 XX
 XX
 XX Sequence 171 AA;
 Query Match 30.0%; Score 6; DB 7; Length 171;
 Best Local Similarity 100.0%; Pred. No. 1.2e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 10 WRWLRR 15
 Db 8 WRWLRR 13
 |||||
 |||||
 RESULT 23
 ABG19443
 ID ABG19443 standard; protein; 201 AA.
 XX
 XX ABG19443;
 AC
 XX 13-FEB-2002 (first entry)
 DT
 XX Novel human diagnostic protein #19434.
 DE
 DE Human; chromosome mapping; gene mapping; gene therapy; forensic;
 KW food supplement; medical imaging; diagnostic; genetic disorder.
 XX
 XX Homo sapiens.
 OS
 XX WO200175067-A2.
 PN
 XX 11-OCT-2001.
 PD
 XX 30-MAR-2001; 2001WO-US008631.
 PF
 XX
 XX

PR 31-MAR-2000; 2000US-00540217.
 PR 23-AUG-2000; 2000US-00649167.
 XX
 PA (HYSE-) HYSEQ INC.
 XX
 XX Drmanac RT, Liu C, Tang YT;
 PI
 PI WPI; 2001-639362/73.
 DR
 DR N-PSDB; AAS83630.
 XX
 XX New isolated polynucleotide and encoded polypeptides, useful in
 PT diagnostics, forensics, gene mapping, identification of mutations
 PT responsible for genetic disorders or other traits and to assess
 PT biodiversity.
 XX
 PS Claim 20; SEQ ID NO 49802; 103pp; English.
 XX
 XX The invention relates to isolated polynucleotide (I) and polypeptide (II)
 CC sequences. (I) is useful as hybridisation probes, polymerase chain
 CC reaction (PCR) primers, oligomers, and for chromosome and gene mapping,
 CC and in recombinant production of (II). The polynucleotides are also used
 CC in diagnostics as expressed sequence tags for identifying expressed
 CC genes. (I) is useful in gene therapy techniques to restore normal
 CC activity of (II) or to treat disease states involving (II). (II) is
 CC useful for generating antibodies against it, detecting or quantitating a
 CC polypeptide in tissue, as molecular weight markers and as a food
 CC supplement. (II) and its binding partners are useful in medical imaging
 CC of sites expressing (II). (I) and (II) are useful for treating disorders
 CC involving aberrant protein expression or biological activities. The
 CC polypeptide and polynucleotide sequences have applications in
 CC diagnostics, forensics, gene mapping, identification of mutations
 CC responsible for genetic disorders or other traits to assess biodiversity
 CC and to produce other types of data and products dependent on DNA and
 CC amino acid sequences. ABG00010-ABG30377 represent novel human diagnostic
 CC amino acid sequences of the invention. Note: The sequence data for this
 CC patent did not appear in the printed specification, but was obtained in
 CC electronic format directly from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 XX Sequence 201 AA;
 QY 3 WSSWAL 8
 Db 100 WSSWAL 105
 |||||
 |||||
 RESULT 24
 ADM26747
 ID ADM26747 standard; protein; 277 AA.
 XX
 XX ADM26747;
 AC
 XX 20-MAY-2004 (first entry)
 DT
 XX Hyperthermophile Methanopyrus kandleri protein #1353.
 DE
 DE hyperthermophile; protein stability enhancement;
 KW protein activity enhancement.
 KW
 XX Methanopyrus kandleri.
 OS
 XX WO2003076575-A2.
 PN
 XX 18-SEP-2003.
 PD
 XX 04-MAR-2003; 2003WO-US006664.
 PF
 XX 04-MAR-2002; 2002US-0361742P.
 PR
 PR 14-MAY-2002; 2002US-0380423P.
 PR

PR 16-SEP-2002; 2002US-0410974P.
XX (FIDE-) FIDELITY SYSTEMS INC.
PA (WALY/) MALYKH A.
XX
PI Slesarev AI, Pavlov A, Pavlova N, Kozyavkin S;
XX
DR WPI; 2003-748383/70.
DR N-PSDB; ADM27081.
XX
PT New isolated nucleic acids encoding any of about 1700 Methanopyrus
PT kandleri proteins, and the encoded proteins, useful as a medicaments or
PT as diagnostic agents.
XX
PS Claim 31; SEQ ID NO 1353; 1023pp; English.
XX
CC The invention comprises the amino acid sequence of proteins from the
CC hyperthermophile Methanopyrus kandleri, the invention also comprises the
CC complete genome from Methanopyrus kandleri. The Methanopyrus kandleri
CC proteins of the invention are useful for enhancing the stability and/or
CC activity of other proteins. The Methanopyrus kandleri genome is useful in
CC a variety of diagnostic and analytical methods. The present amino acid
CC sequence represents a Methanopyrus kandleri protein of the invention.
XX
SQ Sequence 277 AA;

Query Match 30.0%; Score 6; DB 7; Length 277;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLR 15
DB 272 WRWLR 277
|||||

RESULT 25
ABO68821
ID ABO68821 standard; protein; 277 AA.
XX
AC ABO68821;
XX
DT 29-JUL-2004 (first entry)
XX
DE Pseudomonas aeruginosa polypeptide #996.
XX
KW Bacterial infection; Pseudomonas aeruginosa infection; antibacterial.
XX
OS Pseudomonas aeruginosa.
XX
FN US6551795-B1.
XX
PD 22-APR-2003.
XX
PF 18-FEB-1999; 99US-00252991.
XX
PR 18-FEB-1998; 98US-0074788P.
PR 27-JUL-1998; 98US-0094190P.
XX
XX (GENO-) GENOME THERAPEUTICS CORP.
XX
PI Rubenfield MJ, Nolling J, Deloughery C, Bush D;
XX
DR WPI; 2003-615309/58.
DR N-PSDB; ABD02392.
XX
PT Novel isolated nucleic acid encoding Pseudomonas aeruginosa polypeptide,
PT useful as molecular targets for diagnostics, prophylaxis and treatment of
PT pathological conditions resulting from bacterial infection.
XX
PS Disclosure; SEQ ID NO 17567; 455pp; English.
XX
CC The invention relates to Pseudomonas aeruginosa polypeptides and the
CC polynucleotides encoding them. The sequences are useful in diagnosis and

CC therapy of pathological conditions, as molecular targets for diagnostics,
CC prophylaxis and treatment of pathological conditions resulting from a
CC bacterial infection, for evaluating a compound, such as a polypeptide, of
CC for the ability to bind a P. aeruginosa nucleic acid, as components of
CC effective antibacterial targets, as targets for antibacterial drugs,
CC including anti-P. aeruginosa drugs, as templates for recombinant
CC production of P. aeruginosa-derived peptides or polypeptides, as target
CC components for diagnosis and/or treatment of P. aeruginosa-caused
CC infection, and in detection of P. aeruginosa sequences or other sequences
CC of Pseudomonas species using biochip technology. Sequences ABO67826-
CC ABO84396 represent P. aeruginosa polypeptides of the invention. Note: The
CC sequence data for this patent did not form part of the printed
CC specification but was obtained in electronic format from USPTO at
CC seqdata.uspto.gov/sequence.html
XX
SQ Sequence 277 AA;

Query Match 30.0%; Score 6; DB 7; Length 277;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLR 15
DB 265 WRWLR 270
|||||

RESULT 26
AAY32836
ID AAY32836 standard; protein; 282 AA.
XX
AC AAY32836;
XX
DT 17-OCT-2003 (revised)
DT 29-OCT-1999 (first entry)
XX
DE Woodchuck hepatitis b virus HBsAg PreS2-S region protein sequence.
XX
KW HBsAg; PreS2-S; recombinant antigen library; disease-related antigen;
KW multivalent antigenic polypeptide production; infection; allergen;
KW asthma; autoimmune disease; rheumatoid arthritis; diabetes; therapy;
KW multiple sclerosis; inflammatory condition; cancer; contraception;
KW immune response; hepatitis b surface antigen.
XX
OS Woodchuck hepatitis B virus.
XX
FN WO9941393-A1.
XX
PD 19-AUG-1999.
XX
PF 10-FEB-1999; 99WO-US002944.
XX
PR 11-FEB-1998; 98US-00021769.
PR 11-FEB-1998; 98US-0074294P.
PR 23-OCT-1998; 98US-0105509P.
XX
PA (MAXY-) MAXYGEN INC.
XX
PI Punnonen J, Bass SH, Whalen RG, Howard R, Stemmer WPC;
XX
DR WPI; 1999-518452/43.
DR N-PSDB; AAZ10971.
XX
PT Recombinant multivalent antigenic polypeptide produced by recombining
PT nucleic acid sequences and screening, used in vaccines against e.g.
PT infections and cancer.
XX
PS Example 14; Fig 17; 153pp; English.
XX

CC This sequence is the woodchuck hepatitis virus surface antigen PreS2-S
CC region. This sequence was used to create a recombinant antigen library.
CC The library comprises recombinant nucleic acids encoding antigenic
CC polypeptides and is produced by recombination of at least two forms of
CC nucleic acid, differing by at least two nucleotides, encoding a disease-

CC related antigenic polypeptide. The library can be used to produce a
 CC recombinant multivalent antigenic polypeptides of the invention, that
 CC contains at least two antigenic determinants (AD) from different
 CC polypeptides. The multivalent antigenic polypeptides are used in vaccines
 CC to induce a protective or therapeutic response to a wide variety of
 CC infectious agents (bacteria, viruses, parasites, including Plasmodium
 CC falciparum); allergens; asthma; autoimmune disease (e.g. rheumatoid
 CC arthritis, diabetes, multiple sclerosis); other inflammatory conditions
 CC and cancer, also, where directed against sperm antigens, they can be used
 CC for contraception. The multivalent peptides can be evolved to induce an
 CC optimised immune response against a wide variety of antigens,
 CC particularly a broad spectrum response to many different strains of a
 CC pathogen, including strains that are likely to appear in the future.
 CC (Updated on 17-OCT-2003 to standardise OS field)

XX Sequence 282 AA;

Query Match 30.0%; Score 6; DB 2; Length 282;
 Best Local Similarity 100.0%; Pred. No. 1.7e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
 |||||
 Db 210 SSWALG 215

RESULT 27

AAU87103
 ID AAU87103 standard; protein; 305 AA.

XX

AC AAU87103;

XX 05-JUN-2002 (first entry)

XX Novel central nervous system protein #13.

XX Central nervous system; CNS; autoimmune disease; rheumatoid arthritis;
 KW hyperproliferative disorder; neoplasm; cardiovascular disorder;
 KW cardiac arrest; cerebrovascular disorder; ischaemia; angiogenesis;
 KW nervous system disorder; Alzheimer's disease; AIDS; ocular disorder;
 KW acquired immunodeficiency virus; dysphagia; gastrointestinal disorder;
 KW adenocarcinoma; reproductive system disorder; testicular feminisation;
 KW endocrine disorder; diabetes; cancer; leukaemia; neovascularisation;
 KW respiratory disorder; renal disorder; kidney failure; blood disorder;
 KW myocardial infarction; wound healing; cell proliferation; skin aging;
 KW food additive; food preservative; gene therapy.

XX Homo sapiens.

XX WO200155318-A2.

XX

XX 02-AUG-2001.

XX 17-JAN-2001; 2001WO-US001332.

XX 31-JAN-2000; 2000US-0179065P.

XX 04-FEB-2000; 2000US-0180628P.

XX 24-FEB-2000; 2000US-0184664P.

XX 02-MAR-2000; 2000US-0186350P.

XX 16-MAR-2000; 2000US-0189874P.

XX 17-MAR-2000; 2000US-0190076P.

XX 18-APR-2000; 2000US-0198123P.

XX 19-MAY-2000; 2000US-0205515P.

XX 07-JUN-2000; 2000US-0209467P.

XX 28-JUN-2000; 2000US-0214886P.

XX 30-JUN-2000; 2000US-0215135P.

XX 07-JUL-2000; 2000US-0216647P.

XX 07-JUL-2000; 2000US-0216880P.

XX 11-JUL-2000; 2000US-0217487P.

XX 11-JUL-2000; 2000US-0217496P.

XX 14-JUL-2000; 2000US-0218290P.

XX 26-JUL-2000; 2000US-0220963P.

XX 26-JUL-2000; 2000US-0220964P.

PR 14-AUG-2000; 2000US-0224518P.
 PR 14-AUG-2000; 2000US-0224519P.
 PR 14-AUG-2000; 2000US-0225213P.
 PR 14-AUG-2000; 2000US-0225214P.
 PR 14-AUG-2000; 2000US-0225266P.
 PR 14-AUG-2000; 2000US-0225267P.
 PR 14-AUG-2000; 2000US-0225268P.
 PR 14-AUG-2000; 2000US-0225270P.
 PR 14-AUG-2000; 2000US-0225447P.
 PR 14-AUG-2000; 2000US-0225757P.
 PR 14-AUG-2000; 2000US-0225758P.
 PR 14-AUG-2000; 2000US-0225759P.
 PR 18-AUG-2000; 2000US-0226279P.
 PR 22-AUG-2000; 2000US-0226681P.
 PR 22-AUG-2000; 2000US-0226868P.
 PR 22-AUG-2000; 2000US-0227182P.
 PR 23-AUG-2000; 2000US-0227009P.
 PR 30-AUG-2000; 2000US-0228924P.
 PR 01-SEP-2000; 2000US-0229287P.
 PR 01-SEP-2000; 2000US-0229343P.
 PR 01-SEP-2000; 2000US-0229344P.
 PR 01-SEP-2000; 2000US-0229345P.
 PR 05-SEP-2000; 2000US-0229509P.
 PR 05-SEP-2000; 2000US-0229513P.
 PR 06-SEP-2000; 2000US-0230437P.
 PR 06-SEP-2000; 2000US-0230438P.
 PR 08-SEP-2000; 2000US-0231242P.
 PR 08-SEP-2000; 2000US-0231243P.
 PR 08-SEP-2000; 2000US-0231244P.
 PR 08-SEP-2000; 2000US-0231413P.
 PR 08-SEP-2000; 2000US-0231414P.
 PR 08-SEP-2000; 2000US-0232080P.
 PR 08-SEP-2000; 2000US-0232081P.
 PR 12-SEP-2000; 2000US-0231968P.
 PR 14-SEP-2000; 2000US-0232397P.
 PR 14-SEP-2000; 2000US-0232398P.
 PR 14-SEP-2000; 2000US-0232399P.
 PR 14-SEP-2000; 2000US-0232400P.
 PR 14-SEP-2000; 2000US-0232401P.
 PR 14-SEP-2000; 2000US-0233063P.
 PR 14-SEP-2000; 2000US-0233064P.
 PR 14-SEP-2000; 2000US-0233065P.
 PR 21-SEP-2000; 2000US-0234223P.
 PR 21-SEP-2000; 2000US-0234374P.
 PR 25-SEP-2000; 2000US-0234997P.
 PR 25-SEP-2000; 2000US-0234988P.
 PR 26-SEP-2000; 2000US-0235484P.
 PR 27-SEP-2000; 2000US-0235834P.
 PR 27-SEP-2000; 2000US-0235836P.
 PR 29-SEP-2000; 2000US-0236327P.
 PR 29-SEP-2000; 2000US-0236367P.
 PR 29-SEP-2000; 2000US-0236368P.
 PR 29-SEP-2000; 2000US-0236369P.
 PR 29-SEP-2000; 2000US-0236370P.
 PR 02-OCT-2000; 2000US-0236802P.
 PR 02-OCT-2000; 2000US-0237037P.
 PR 02-OCT-2000; 2000US-0237038P.
 PR 02-OCT-2000; 2000US-0237039P.
 PR 02-OCT-2000; 2000US-0237040P.
 PR 13-OCT-2000; 2000US-0239935P.
 PR 13-OCT-2000; 2000US-0239937P.
 PR 20-OCT-2000; 2000US-0240360P.
 PR 20-OCT-2000; 2000US-0241221P.
 PR 20-OCT-2000; 2000US-0241785P.
 PR 20-OCT-2000; 2000US-0241786P.
 PR 20-OCT-2000; 2000US-0241787P.
 PR 20-OCT-2000; 2000US-0241808P.
 PR 20-OCT-2000; 2000US-0241809P.
 PR 20-OCT-2000; 2000US-0241826P.
 PR 01-NOV-2000; 2000US-0244617P.
 PR 08-NOV-2000; 2000US-0246474P.
 PR 08-NOV-2000; 2000US-0246475P.
 PR 08-NOV-2000; 2000US-0246476P.

PR 08-NOV-2000; 2000US-0246477P.
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PR 08-NOV-2000; 2000US-0246523P.
PR 08-NOV-2000; 2000US-0246524P.
PR 08-NOV-2000; 2000US-0246525P.
PR 08-NOV-2000; 2000US-0246526P.
PR 08-NOV-2000; 2000US-0246527P.
PR 08-NOV-2000; 2000US-0246528P.
PR 08-NOV-2000; 2000US-0246532P.
PR 08-NOV-2000; 2000US-0246609P.
PR 08-NOV-2000; 2000US-0246610P.
PR 08-NOV-2000; 2000US-0246611P.
PR 08-NOV-2000; 2000US-0246613P.
PR 17-NOV-2000; 2000US-0249207P.
PR 17-NOV-2000; 2000US-0249208P.
PR 17-NOV-2000; 2000US-0249209P.
PR 17-NOV-2000; 2000US-0249210P.
PR 17-NOV-2000; 2000US-0249211P.
PR 17-NOV-2000; 2000US-0249212P.
PR 17-NOV-2000; 2000US-0249213P.
PR 17-NOV-2000; 2000US-0249214P.
PR 17-NOV-2000; 2000US-0249215P.
PR 17-NOV-2000; 2000US-0249216P.
PR 17-NOV-2000; 2000US-0249217P.
PR 17-NOV-2000; 2000US-0249218P.
PR 17-NOV-2000; 2000US-0249244P.
PR 17-NOV-2000; 2000US-0249245P.
PR 17-NOV-2000; 2000US-0249264P.
PR 17-NOV-2000; 2000US-0249265P.
PR 17-NOV-2000; 2000US-0249297P.
PR 17-NOV-2000; 2000US-0249299P.
PR 17-NOV-2000; 2000US-0249300P.
PR 01-DEC-2000; 2000US-0250160P.
PR 01-DEC-2000; 2000US-0250391P.
PR 05-DEC-2000; 2000US-0251030P.
PR 05-DEC-2000; 2000US-0251988P.
PR 05-DEC-2000; 2000US-0256719P.
PR 06-DEC-2000; 2000US-0251479P.
PR 08-DEC-2000; 2000US-0251856P.
PR 08-DEC-2000; 2000US-0251868P.
PR 08-DEC-2000; 2000US-0251869P.
PR 08-DEC-2000; 2000US-0251989P.
PR 08-DEC-2000; 2000US-0251990P.
PR 11-DEC-2000; 2000US-0254097P.
PR 05-JAN-2001; 2001US-0259678P.
(HUMA-) HUMAN GENOME SCI INC.
Rosen CA, Barash SC, Ruben SM;
WPI; 2001-581633/65.
N-PSDB; ABK43433.
New isolated nucleic acid encoding a protein for diagnosing, preventing, treating or ameliorating medical conditions and used as food additives or preservatives.
Claim 9; SEQ ID NO 621; 837pp; English.
The invention describes an isolated nucleic acid molecule (I) encoding a novel central nervous system protein. (I) and polypeptides (III) encoded by (I), are used to treat a medical condition and in diagnosis of a pathological condition. Disorders which are diagnosed or treated include autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. neoplasms of the breast or liver, cardiovascular disorders e.g. cardiac arrest, cerebrovascular disorders e.g. cerebral ischaemia, angiogenesis, nervous system disorders e.g. Alzheimer's disease and amyotrophic lateral sclerosis, infections caused by bacteria, viruses e.g. Acquired immunodeficiency virus (AIDS) and fungi, ocular disorders e.g. corneal infection, gastrointestinal disorders e.g. dysphagia, adenocarcinomas and irritable bowel syndrome, reproductive system disorders e.g. testicular feminisation, endocrine disorders e.g. diabetes and pituitary dwarfism, cancers and disorders at the cellular level e.g.

CC leukaemia, disorders involving neovascularisation e.g. malignancies,
CC respiratory disorders e.g. nonallergic rhinitis, renal disorders e.g.
CC acute kidney failure and blood related disorders e.g. myocardial
CC infarction. The polypeptides can also be used to aid wound healing and
CC epithelial cell proliferation, to prevent skin aging due to sunburn, to
CC maintain organs before transplantation, for supporting cell culture of
CC primary tissues, to regenerate tissues and in chemotaxis. The
CC polypeptides can also be used as a food additive or preservative to
CC increase or decrease storage capabilities, fat content, lipid, protein,

Query Match 30.0%; Score 6; DB 4; Length 305;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
Db 216 WLRRYG 221

RESULT 28

ADI54418

ID ADI54418 standard; protein; 305 AA.

XX AC ADI54418;

XX DT 22-APR-2004 (first entry)

XX DE Novel human protein seq id 621.

XX neuroprotective; nootropic; antiparkinsonian; anticonvulsant;
KW antidiabetic; antirheumatic; antiarthritic; dermatological;
KW antiinflammatory; immunosuppressive; antithyroid; antianemic; vasotropic;
KW anti-HIV; hepatotropic; virucide; antibacterial; fungicide;
KW antiparasitic; muscular; gynaecological; gastrointestinal; respiratory;
KW cardiovascular; antiarteriosclerotic; antiarrhythmic; cardiac;
KW nephrotropic; litholytic; cytostatic; gene therapy; neural disorder;
KW Alzheimer's disease; Parkinson's disease; Huntington's chorea;
KW amyotrophic lateral sclerosis; multiple sclerosis;
KW immune system disorder; diabetes; rheumatoid arthritis;
KW systemic lupus erythematosus; autoimmune thyroiditis; haemolytic anaemia;
KW inflammatory disorder; ischaemia-reperfusion injury;
KW inflammatory bowel disease; Crohn's disease; infectious disease;
KW HIV infection; hepatitis infection; bacterial infection;
KW fungal infection; parasitic infection; muscular disorder;
KW reproductive disorder; gastrointestinal disorder; pulmonary disorder;
KW cardiovascular disorder; atherosclerosis; arrhythmia; myocarditis;
KW renal disorder; acute glomerulonephritis; pyelonephritis;
KW renal lithiasis; proliferative disorder; cancerous diseases; human.

OS Homo sapiens.

XX US2004018969-A1.

XX PD 29-JAN-2004.

XX PF 17-JAN-2001; 2001US-00764875.

XX PR 31-JAN-2000; 2000US-0179065P.

XX PR 04-FEB-2000; 2000US-0180628P.

XX PR 24-FEB-2000; 2000US-0184664P.

XX PR 02-MAR-2000; 2000US-0186350P.

XX PR 16-MAR-2000; 2000US-0189874P.

XX PR 17-MAR-2000; 2000US-0190076P.

XX PR 18-APR-2000; 2000US-0198123P.

XX PR 19-MAY-2000; 2000US-0205515P.

XX PR 07-JUN-2000; 2000US-0209467P.

XX PR 28-JUN-2000; 2000US-0214886P.

XX PR 30-JUN-2000; 2000US-0215135P.

XX PR 07-JUL-2000; 2000US-0216647P.

XX PR 07-JUL-2000; 2000US-0216880P.

XX PR 11-JUL-2000; 2000US-0217487P.

XX PR 11-JUL-2000; 2000US-0217496P.

XX PR 14-JUL-2000; 2000US-0218290P.

PR 26-JUL-2000; 2000US-0220963P.
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PR 14-AUG-2000; 2000US-0224518P.
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PR 14-AUG-2000; 2000US-0225213P.
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PR 14-AUG-2000; 2000US-0225266P.
PR 14-AUG-2000; 2000US-0225267P.
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PR 14-AUG-2000; 2000US-0225759P.
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PR 22-AUG-2000; 2000US-0226868P.
PR 22-AUG-2000; 2000US-0227182P.
PR 23-AUG-2000; 2000US-0227009P.
PR 30-AUG-2000; 2000US-0228924P.
PR 01-SEP-2000; 2000US-0229287P.
PR 01-SEP-2000; 2000US-0229343P.
PR 01-SEP-2000; 2000US-0229344P.
PR 01-SEP-2000; 2000US-0229345P.
PR 05-SEP-2000; 2000US-0229509P.
PR 06-SEP-2000; 2000US-0229513P.
PR 06-SEP-2000; 2000US-0230437P.
PR 06-SEP-2000; 2000US-0230438P.
PR 08-SEP-2000; 2000US-0231242P.
PR 08-SEP-2000; 2000US-0231243P.
PR 08-SEP-2000; 2000US-0231244P.
PR 08-SEP-2000; 2000US-0231413P.
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PR 08-SEP-2000; 2000US-0232080P.
PR 08-SEP-2000; 2000US-0232081P.
PR 12-SEP-2000; 2000US-0231968P.
PR 14-SEP-2000; 2000US-0232397P.
PR 14-SEP-2000; 2000US-0232398P.
PR 14-SEP-2000; 2000US-0232399P.
PR 14-SEP-2000; 2000US-0232400P.
PR 14-SEP-2000; 2000US-0232401P.
PR 14-SEP-2000; 2000US-0233063P.
PR 14-SEP-2000; 2000US-0233064P.
PR 14-SEP-2000; 2000US-0233065P.
PR 21-SEP-2000; 2000US-0234223P.
PR 21-SEP-2000; 2000US-0234274P.
PR 25-SEP-2000; 2000US-0234997P.
PR 25-SEP-2000; 2000US-0234998P.
PR 26-SEP-2000; 2000US-0235484P.
PR 27-SEP-2000; 2000US-0235834P.
PR 27-SEP-2000; 2000US-0235836P.
PR 29-SEP-2000; 2000US-0236327P.
PR 29-SEP-2000; 2000US-0236367P.
PR 29-SEP-2000; 2000US-0236368P.
PR 29-SEP-2000; 2000US-0236369P.
PR 29-SEP-2000; 2000US-0236370P.
PR 02-OCT-2000; 2000US-0236802P.
PR 02-OCT-2000; 2000US-0237037P.
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PR 02-OCT-2000; 2000US-0237040P.
PR 13-OCT-2000; 2000US-0239935P.
PR 13-OCT-2000; 2000US-0239937P.
PR 20-OCT-2000; 2000US-0240960P.
PR 20-OCT-2000; 2000US-0241221P.
PR 20-OCT-2000; 2000US-0241785P.
PR 20-OCT-2000; 2000US-0241786P.
PR 20-OCT-2000; 2000US-0241787P.
PR 20-OCT-2000; 2000US-0241808P.
PR 20-OCT-2000; 2000US-0241809P.
PR 20-OCT-2000; 2000US-0241826P.
PR 01-NOV-2000; 2000US-0244617P.
PR 08-NOV-2000; 2000US-0246474P.
PR 08-NOV-2000; 2000US-0246475P.
PR 08-NOV-2000; 2000US-0246476P.
PR 08-NOV-2000; 2000US-0246477P.
PR 08-NOV-2000; 2000US-0246478P.
PR 08-NOV-2000; 2000US-0246523P.
PR 08-NOV-2000; 2000US-0246524P.
PR 08-NOV-2000; 2000US-0246525P.
PR 08-NOV-2000; 2000US-0246526P.
PR 08-NOV-2000; 2000US-0246527P.
PR 08-NOV-2000; 2000US-0246528P.
PR 08-NOV-2000; 2000US-0246532P.
PR 08-NOV-2000; 2000US-0246609P.
PR 08-NOV-2000; 2000US-0246610P.
PR 08-NOV-2000; 2000US-0246611P.
PR 08-NOV-2000; 2000US-0246613P.
PR 17-NOV-2000; 2000US-0249207P.
PR 17-NOV-2000; 2000US-0249208P.
PR 17-NOV-2000; 2000US-0249209P.
PR 17-NOV-2000; 2000US-0249210P.
PR 17-NOV-2000; 2000US-0249211P.
PR 17-NOV-2000; 2000US-0249212P.
PR 17-NOV-2000; 2000US-0249213P.
PR 17-NOV-2000; 2000US-0249214P.
PR 17-NOV-2000; 2000US-0249215P.
PR 17-NOV-2000; 2000US-0249216P.
PR 17-NOV-2000; 2000US-0249217P.
PR 17-NOV-2000; 2000US-0249218P.
PR 17-NOV-2000; 2000US-0249244P.
PR 17-NOV-2000; 2000US-0249245P.
PR 17-NOV-2000; 2000US-0249264P.
PR 17-NOV-2000; 2000US-0249265P.
PR 17-NOV-2000; 2000US-0249297P.
PR 17-NOV-2000; 2000US-0249299P.
PR 17-NOV-2000; 2000US-0249300P.
PR 01-DEC-2000; 2000US-0250160P.
PR 01-DEC-2000; 2000US-0250391P.
PR 05-DEC-2000; 2000US-0251030P.
PR 05-DEC-2000; 2000US-0251988P.
PR 05-DEC-2000; 2000US-0256719P.
PR 06-DEC-2000; 2000US-0251479P.
PR 08-DEC-2000; 2000US-0251856P.
PR 08-DEC-2000; 2000US-0251868P.
PR 08-DEC-2000; 2000US-0251869P.
PR 08-DEC-2000; 2000US-0251989P.
PR 08-DEC-2000; 2000US-0251990P.
PR 11-DEC-2000; 2000US-0254097P.
PR 05-JAN-2001; 2001US-0259678P.
XX
XX (ROSE/) ROSEN C A.
PA (RUBE/) RUBEN S M.
PA (BARA/) BARASH S C.
XX
XX Rosen CA, Ruben SM, Barash SC;
PI WPI; 2004-122079/12.
XX N-PSDB; ADI53820.
XX
XX New polypeptides and nucleic acid molecules, useful for detecting,
PT preventing, diagnosing, prognosticating, treating or ameliorating medical
PT conditions e.g. neural disorders, reproductive disorders or infectious
PT diseases.
XX
XX Claim 11; SEQ ID NO 621; 413pp; English.
XX
XX The invention describes an isolated polypeptide comprising an amino acid
CC sequence at least 90% identical to: a polypeptide fragment, domain,
CC epitope, or full-length protein of any one of 607 amino acid sequences
CC (i) described in the specification; a polypeptide fragment of (i), or the
CC encoded sequence contained in (ii), having biological activity; or a
CC variant, allelic variant, or a species homologue of (i). The polypeptides
CC and nucleic acid molecules are useful for detecting, preventing,
CC diagnosing, prognosticating, treating or ameliorating medical conditions
CC such as neural disorders, e.g. Alzheimer's disease, Parkinson's disease,
CC

CC Huntington's chorea, amyotrophic lateral sclerosis or multiple sclerosis,
 CC immune system disorders, e.g. diabetes, rheumatoid arthritis, systemic

Query Match 30.0%; Score 6; DB 8; Length 305;
 Best Local Similarity 100.0%; Pred. No. 1.8e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
 |||||
 Db 216 WLRRYG 221

RESULT 29

AAW09046
 ID AAW09046 standard; protein; 346 AA.

XX AC AAW09046;

DT 17-OCT-2003 (revised)

DT 11-APR-1997 (first entry)

XX WHV core-surface fusion dominant negative polypeptide.

XX Hepadnavirus; hepatitis B virus; HBV; hepatitis delta virus;

XX Ground squirrel hepatitis B virus; duck hepatitis B virus; core protein;

XX replication; antiviral; therapy; pcN4.

XX Woodchuck hepatitis B virus.

XX WO9700698-Al.

XX PD 09-JAN-1997.

XX PF 20-JUN-1996; 96WO-US010602.

XX PR 20-JUN-1995; 95US-0017814P.

XX PA (GEO) GEN HOSPITAL CORP.

XX PI Wands JR, Scaglioni PP, Melegari M;

XX DR WPI; 1997-087176/08.

XX DR N-PSDB; AAT49596.

XX New method for inhibiting the replication of hepadnaviruses - comprises
 PT introducing a mutant polypeptide with a mutated core protein or
 PT corresponding nucleic acid, for treating, e.g. hepatitis B.

XX Disclosure; Page 40-42; 83pp; English.

XX Plasmid pcN4 carries an insert (AAT49596) coding for a fusion (AAW09046)
 CC between the woodchuck hepatitis virus (WHV) core protein amino acids 1-
 CC 177 with amino acid 47 of the WHV small surface protein. Cotransfection
 CC of human hepatoma HuH-7 cells with wild- type WHV pcN482 and mutant core
 CC construct pcN4 resulted in an 85% inhibition of wild-type viral DNA
 CC replication. The pcN4-encoded dominant negative core polypeptide was not
 CC toxic to HCC cells. The dominant negative effects on viral replication
 CC are consistent over a range of hepadnavirus species and can be utilised
 CC in the treatment of viral infection. (Updated on 17-OCT-2003 to
 CC standardise OS field)

XX SQ Sequence 346 AA;

Query Match 30.0%; Score 6; DB 2; Length 346;

Best Local Similarity 100.0%; Pred. No. 2e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9

|||||

Db 274 SSWALG 279

RESULT 30

ABP95597
 ID ABP95597 standard; protein; 368 AA.

XX AC ABP95597;

XX DT 06-MAR-2003 (first entry)

XX DE Human GPCR polypeptide SEQ ID NO 4.

XX Human; GPCR; G protein coupled receptor; signal transduction; olfactory;
 KW drug development; gustatory; taste; fragrance; receptor.

XX OS Homo sapiens.

XX PN WO200216548-A2.

XX PD 28-FEB-2002.

XX PF 30-JUL-2001; 2001WO-IB001446.

XX PR 04-AUG-2000; 2000JP-00237818.

XX PR 13-FEB-2001; 2001JP-00034434.

XX PA (NISC-) JAPAN SCI & TECHNOLOGY CORP.

XX PI Haga T, Takeda S, Mitaku S;

XX DR WPI; 2002-304118/34.

XX DR N-PSDB; ABZ42871.

XX Database global search for G protein-coupled receptors, proteins and
 PT encoded genes for studying in vivo signal transduction mechanism and
 PT identifying targets for drug development.

XX Claim 10; SEQ ID NO 4; 97pp + Sequence Listing; Japanese.

XX The invention relates to a method for screening G protein-coupled
 CC receptor (GPCR) genes (ABZ42870-ABZ43216) and/or GPCR proteins (ABP95596-
 CC ABP95942) by extracting open-reading frames containing 6-8 transmembrane
 CC domains with 250-1000 amino acid residues to give a gene homologous with
 CC a known GPCR gene. The receptor proteins and encoded genes are useful for
 CC studying in vivo signal transduction mechanism and identifying targets
 CC for drug development e.g. based on olfactory and gustatory receptors in
 CC form of agonists and antagonists by screening intrinsic and extrinsic
 CC ligands as bitter taste inhibitors, taste enhancers and fragrance
 CC improvers. Note: The sequence data for this patent did not form part of
 CC the printed specification, but was obtained in electronic format directly
 CC from WIPO at ftp.wipo.int/pub/published_pct_sequences

XX SQ Sequence 368 AA;

Query Match 30.0%; Score 6; DB 5; Length 368;

Best Local Similarity 100.0%; Pred. No. 2.1e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17

|||||

Db 86 WLRRYG 91

RESULT 31

AAP70461

ID AAP70461 standard; protein; 379 AA.

XX AC AAP70461;

XX DT 25-MAR-2003 (revised)

XX DT 13-FEB-1991 (first entry)

XX Sequence of gpG encoded by segment of Xanthomonas campestris DNA that
 DE contains a gene cluster that directs Xanthan biosynthesis.

XX Thickening agent; oil recovery; drilling fluid.

XX OS Xanthomonas campestris.
 XX PN WO8705938-A.
 XX PD 08-OCT-1987.
 XX PF 24-MAR-1987; 87WO-US000604.
 XX PR 24-MAR-1986; 86US-00842944.
 XX PR 23-MAR-1987; 87US-00029530.
 XX PA (GETT-) GETTY SCI DEV CO.
 XX PI Capage MA, Doherty DH, Betlach MR, Vanderslic RW;
 XX DR WPI; 1987-291651/41.
 XX PT Recombinant DNA prodn. of xanthan gum or its variants - by transforming
 PT host cells with vector contg. DNA coding for enzymes involved in
 PT polysaccharide synthesis.
 XX PS Example; Fig 12; 149pp; English.
 XX CC Virtually all of the segment of Xanthomonas campestris DNA that contains
 CC a gene cluster that directs Xanthan biosynthesis (AAN70753), codes for
 CC protein products. Each gene is designated by a letter (see Fig 11) and
 CC its protein product is designated by that letter preceded by 'gp'
 CC (AAP70455-67). (Updated on 25-MAR-2003 to correct PR field.)
 XX SQ Sequence 379 AA;
 Query Match 30.0%; Score 6; DB 1; Length 379;
 Best Local Similarity 100.0%; Pred. No. 2.2e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 9 GWRWLR 14
 |||||
 Db 279 GWRWLR 284
 RESULT 32
 AB061423
 ID AB061423 standard; protein; 395 AA.
 AC AB061423;
 XX DT 29-JUL-2004 (first entry)
 XX DE Klebsiella pneumoniae polypeptide seqid 7940.
 XX KW Recombinant expression vector; transcription regulatory element;
 KW Klebsiella pneumoniae protein; antibacterial; Vaccine.
 XX OS Klebsiella pneumoniae.
 XX PN US6610836-B1.
 XX PD 26-AUG-2003.
 XX PF 27-JAN-2000; 2000US-00489039.
 XX PR 29-JAN-1999; 99US-0117747P.
 XX PA (GENO-) GENOME THERAPEUTICS CORP.
 XX PI Breton GL, Osborne M;
 XX DR WPI; 2003-895346/82.
 XX DR N-PSDB; ACH94974.
 XX PT New nucleic acid encoding a Klebsiella pneumoniae polypeptide, useful for
 PT preparing a vaccine composition against Klebsiella pneumoniae.

XX PS Disclosure; SEQ ID NO 7940; 932pp; English.
 XX CC The invention describes a new isolated nucleic acid encoding a Klebsiella
 CC pneumoniae polypeptide. Also described are: a recombinant expression
 CC vector comprising the nucleic acid, operably linked to a transcription
 CC regulatory element; and a cell comprising the recombinant expression
 CC vector. The nucleic acid is useful for preparing a vaccine composition
 CC against Klebsiella pneumoniae. This is the amino acid sequence of a
 CC Klebsiella pneumoniae polypeptide of the invention
 XX SQ Sequence 395 AA;
 Query Match 30.0%; Score 6; DB 7; Length 395;
 Best Local Similarity 100.0%; Pred. No. 2.2e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 12 WLRRYG 17
 |||||
 Db 388 WLRRYG 393
 RESULT 33
 ABU19932
 ID ABU19932 standard; protein; 396 AA.
 XX AC ABU19932;
 XX DT 19-JUN-2003 (first entry)
 XX DE Protein encoded by Prokaryotic essential gene #5459.
 XX KW Antisense; prokaryotic essential gene; cell proliferation; drug design.
 XX OS Borrelia cepacia.
 XX PN WO200277183-A2.
 XX PD 03-OCT-2002.
 XX PF 21-MAR-2002; 2002WO-US0009107.
 XX PR 21-MAR-2001; 2001US-00815242.
 PR 06-SEP-2001; 2001US-00948993.
 PR 25-OCT-2001; 2001US-0342923P.
 PR 08-FEB-2002; 2002US-00072851.
 PR 08-MAR-2002; 2002US-0362699P.
 XX PA (ELIT-) ELITRA PHARM INC.
 XX PI Wang L, Zamudio C, Malone C, Haselbeck R, Ohlsen KL, Zyskind JW;
 PI Wall D, Trawick JD, Carr GJ, Yamamoto R, Forsyth RA, Xu HH;
 XX DR WPI; 2003-029926/02.
 DR N-PSDB; ACA23802.
 XX PT New antisense nucleic acids, useful for identifying proteins or screening
 PT for homologous nucleic acids required for cellular proliferation to
 PT isolate candidate molecules for rational drug discovery programs.
 XX PS Claim 25; SEQ ID NO 47856; 1766pp; English.
 XX CC The invention relates to an isolated nucleic acid comprising any one of
 CC the 6213 antisense sequences given in the specification where expression
 CC of the nucleic acid inhibits proliferation of a cell. Also included are:
 CC (1) a vector comprising a promoter operably linked to the nucleic acid
 CC encoding a polypeptide whose expression is inhibited by the antisense
 CC nucleic acid; (2) a host cell containing the vector; (3) an isolated
 CC polypeptide or its fragment whose expression is inhibited by the
 CC antisense nucleic acid; (4) an antibody capable of specifically binding
 CC the polypeptide; (5) producing the polypeptide; (6) inhibiting cellular
 CC proliferation or the activity of a gene in an operon required for
 CC proliferation; (7) identifying a compound that influences the activity of

CC the gene product or that has an activity against a biological pathway
 CC required for proliferation, or that inhibits cellular proliferation; (8)
 CC identifying a gene required for cellular proliferation or the biological
 CC pathway in which a proliferation-required gene or its gene product lies
 CC on a gene on which the test compound that inhibits proliferation of an
 CC organism acts; (9) manufacturing an antibiotic; (10) profiling a
 CC compound's activity; (11) a culture comprising strains in which the gene
 CC product is overexpressed or underexpressed; (12) determining the extent
 CC to which each of the strains is present in a culture or collection of
 CC strains; or (13) identifying the target of a compound that inhibits the
 CC proliferation of an organism. The antisense nucleic acids are useful for
 CC identifying proteins or screening for homologous nucleic acids required
 CC for cellular proliferation to isolate candidate molecules for rational
 CC drug discovery programs, or for screening homologous nucleic acids
 CC required for proliferation in cells other than *S. aureus*, *S. typhimurium*,
 CC *K. pneumoniae* or *P. aeruginosa*. The present sequence is encoded by one of
 CC the target prokaryotic essential genes. Note: The sequence data for this
 CC patent did not form part of the printed specification, but was obtained
 CC in electronic format directly from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences
 XX
 SQ Sequence 396 AA;

Query Match 30.0%; Score 6; DB 6; Length 396;
 Best Local Similarity 100.0%; Pred. No. 2.3e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ALGWRW 12
 |||||
 Db 75 ALGWRW 80

RESULT 34
 ADJ34131
 ID ADJ34131 standard; protein; 397 AA.

AC ADJ34131;

XX 06-MAY-2004 (first entry)

XX Human secreted protein NOV2h.

XX Human; NOVX; secreted protein; cancer; diabetes; obesity;
 KW endocrine disorder; CNS disorder; inflammatory disorder; gene therapy.

XX Homo sapiens.

XX WO2004000997-A2.

XX 31-DEC-2003.

XX 04-JUN-2003; 2003WO-US017512.

XX 19-MAR-2002; 2002US-0365491P.

XX 04-JUN-2002; 2002US-0385504P.

XX 05-JUN-2002; 2002US-0386041P.

XX 06-JUN-2002; 2002US-0386453P.

XX 06-JUN-2002; 2002US-0386974P.

XX 07-JUN-2002; 2002US-0386816P.

XX 07-JUN-2002; 2002US-0387002P.

XX 10-JUN-2002; 2002US-0387540P.

XX 11-JUN-2002; 2002US-0387659P.

XX 12-JUN-2002; 2002US-0387934P.

XX 13-JUN-2002; 2002US-0389123P.

XX 17-JUN-2002; 2002US-0389729P.

XX 17-JUN-2002; 2002US-0389742P.

XX 19-JUN-2002; 2002US-0390006P.

PR 03-JUN-2003; 2003US-00454246.
 XX
 XX (CURA-) CUPAGEN CORP.

XX Anderson DM, Boldog FL, Burgess CE, Casman SJ, Edinger SR;
 PI Eisen A, Ellerman K, Gerlach VL, Gorman L, Guo X, Gusev VY, Ji W;
 Li L, Macdougall JR, Malvankar UM, Millet I, Ort T, Padigar M;
 PI Prayaga SK, Patturajan M, Pena CEA, Payman JA, Rieger DK;
 PI Rothenberg ME, Sciore P, Shenoy SG, Smithson G, Szytek KA, Stone DJ;
 PI Taupier RJ, Tchernev VI, Vernet CAM, Voss EZ, Zerhusen BD, Zhong M;
 XX WPI; 2004-082483/08.
 DR N-PSDB; ADJ34130.

XX New isolated NOVX polypeptides useful for treating, preventing and
 PT diagnosing pathological conditions with NOVX-associated disorders, such
 PT as cancer, obesity, diabetes and inflammatory or CNS diseases.
 XX
 XX Claim 1; SEQ ID NO 20; 418bp; English.

XX The invention relates to a new isolated polypeptide (designated NOVX)
 CC comprising one of 141 fully defined sequences, their mature forms, a
 CC protein comprising one or more conservative substitutions or having at
 CC least 95% identity to one of the 141 proteins. Also included are a
 CC composition comprising NOVX (or a NOVX nucleic acid molecule (NA)), a kit
 CC comprising the composition of NOVX in one or more containers, an isolated
 CC nucleic acid molecule encoding a NOVX protein, producing NOVX (comprising
 CC culturing a cell under conditions that lead to expression of the
 CC polypeptide, where the cell comprises a vector comprising NOVX NA),
 CC identifying an agent that binds to NOVX, identifying a potential
 CC therapeutic agent for use in the treatment of a pathology that is related
 CC to aberrant expression or physiological interactions of NOVX, screening
 CC for a modulator of activity of or latency or predisposition to a
 CC pathology associated with NOVX, modulating the activity of NOVX, treating
 CC or preventing a pathology associated with NOVX, treating a pathological
 CC state in a mammal, a vector comprising the NOVX nucleic acid molecule, a
 CC cell comprising the vector, an antibody that immunospecifically binds to
 CC NOVX, determining the presence or amount of NOVX or the nucleic acid
 CC molecule in a sample, and determining the presence of or predisposition
 CC to a disease associated with altered levels of expression of NOVX or the
 CC nucleic acid molecule in a first mammalian subject. The methods and
 CC compositions of the present invention are useful for the diagnosis and
 CC treatment of disorders associated with aberrant expression or activity of
 CC the NOVX polypeptide, such as cancer, diabetes, obesity, and endocrine,
 CC CNS and inflammatory disorders. They can also be used in various
 CC detection and screening assays, chromosome mapping, tissue typing, gene
 CC therapy and predictive medicine. The present sequence represents a NOVX
 CC protein.

XX Sequence 397 AA;

Query Match 30.0%; Score 6; DB 8; Length 397;
 Best Local Similarity 100.0%; Pred. No. 2.3e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WSSWAL 8
 |||||
 Db 58 WSSWAL 63

RESULT 35

AAG66933

ID AAG66933 standard; protein; 400 AA.

XX AAG66933;

XX 19-OCT-2001 (first entry)

XX HBV genotype F preS1/preS2/HBsAg polypeptide.

XX Hepatitis B virus; HBV; preCore; Core; preS1; preS2; HBs; HBx; HBp1;

XX HBsAg; antiviral; vaccine; genotype G; genotyping; HBcAg; HBeAg.

OS Hepatitis B virus.
 PN WO200140279-A2.
 XX 07-JUN-2001.
 XX 20-NOV-2000; 2000WO-EP011526.
 PF 03-DEC-1999; 99EP-00870252.
 PR 07-DEC-1999; 99US-0169287P.
 XX (INNO-) INNOGENETICS NV.
 PA Stuyver L, Van Geyt C, De Gendt S;
 XX WPI; 2001-374785/39.
 DR Novel isolated and/or purified hepatitis B virus polypeptide and
 XX polynucleotide sequences that are phylogenetically different from HBV
 PT genotype A-F molecules, useful for HBV diagnosis, prophylaxis and
 PT therapy.
 XX Example 3; Fig 6; 94pp; English.
 PS The invention relates to the complete nucleic acid sequence of a new
 CC human hepatitis B virus (HBV) genotype, provisionally named genotype G.
 CC This genotype was found with a high prevalence in patients chronically
 CC infected with HBV and residing in Europe and the USA. The invention
 CC relates to a fully defined sequence of 3248 nucleotides as given in
 CC specification, a sequence with 92% identity to the given sequence, or
 CC sequence that is degenerate to the mentioned sequences. These
 CC polynucleotides are useful for HBV genotyping. The proteins encoded by
 CC the polynucleotides are useful for detecting antibodies in a biological
 CC sample. Ligands that bind to the proteins and antibodies directed against
 CC the proteins are useful for detecting the proteins and for detecting
 CC HBeAg and HBeAg (precure precursor proteins). They are also useful for
 CC preparing a vaccine or medicament for treating HBV infections. The
 CC present sequence is provided in an amino acid sequence alignment of the
 CC preS1, preS2 and HBeAg open reading frame of the different HBV genotypes
 XX
 SQ Sequence 400 AA;
 Query Match 30.0%; Score 6; DB 4; Length 400;
 Best Local Similarity 100.0%; Pred. No. 2.3e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 4 SSWALG 9
 Db |||||
 328 SSWALG 333
 RESULT 36
 ADD18225
 ID ADD18225 standard; protein; 401 AA.
 AC ADD18225;
 XX 15-JAN-2004 (first entry)
 DT Human molecule (MOL) protein MOL4d.
 DE molecule protein; MOL protein; MOLX; MOLX agonist; MOLX antagonist;
 XX cardiant; antidiabetic; antiarteriosclerotic; gene therapy;
 KW MOLX-associated disorder; cardiomyopathy; diabetes; atherosclerosis;
 KW human; MOL4d.
 XX Homo sapiens.
 OS WO2003003984-A2.
 XX 16-JAN-2003.
 XX 03-JUL-2002; 2002WO-US021268.

XX 05-JUL-2001; 2001US-0303168P.
 PR 05-JUL-2001; 2001US-0303241P.
 PR 26-SEP-2001; 2001US-00965212.
 PR 26-SEP-2001; 2001US-00966545.
 PR 01-APR-2002; 2002US-0368996P.
 PR 01-APR-2002; 2002US-0369065P.
 PR 08-MAY-2002; 2002US-0378730P.
 PR 30-MAY-2002; 2002US-0384327P.
 PR 07-JUN-2002; 2002US-0386816P.
 PR 17-JUN-2002; 2002US-00174372.
 XX (CURA-) CURAGEN CORP.
 PA Fernandes ER, Vernet CAM, Shinkets RA, Anderson DM, Padigaru M;
 XX Boldog FL, Li L, Shenoy SG, Casman SJ, Rastelli L, Alsobrook JP;
 PI Burgess CE, Grosse WM, Gusev VY, Ji W, Lepley DM, Liu X, Mezick AJ;
 PI Patturajan M, Shen L, Spaderna SK, Spytek KA, Szekeres ES;
 PI Taupier RJ, Tchernev VT, Zerhusen BD, Voss EZ;
 XX WPI; 2003-210304/20.
 DR N-PSDB; ADD18223.
 XX New MOLX polypeptide, nucleic acid or MOLX-specific antibody, useful for
 PT preparing a composition for treating or preventing a MOLX-associated
 PT disorder, e.g., cardiomyopathy, diabetes or atherosclerosis.
 XX Claim 1; SEQ ID NO 111; 371pp; English.
 PS This invention relates to novel human nucleic acid sequences which encode
 CC novel molecule (MOL) proteins numbered MOL1-23, referred to generally in
 CC the specification as MOLX. Compounds which modulate the function of the
 CC MOLX proteins of the invention, MOLX agonists or antagonists, may have
 CC cardiant, antidiabetic or antiarteriosclerotic activities. In addition,
 CC the DNA and protein sequences disclosed may prove useful for gene
 CC therapy. The protein, nucleic acid or antibody is useful for preparing a
 CC composition for treating or preventing a MOLX-associated disorder, for
 CC example cardiomyopathy, diabetes or atherosclerosis. The present sequence
 CC is the amino acid sequence of a MOL protein of the invention.
 XX
 SQ Sequence 401 AA;
 Query Match 30.0%; Score 6; DB 7; Length 401;
 Best Local Similarity 100.0%; Pred. No. 2.3e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 3 WSSWAL 8
 Db |||||
 60 WSSWAL 65
 RESULT 37
 ADD18230
 ID ADD18230 standard; protein; 401 AA.
 AC ADD18230;
 XX 15-JAN-2004 (first entry)
 DT Human molecule (MOL) protein MOL4f.
 DE molecule protein; MOL protein; MOLX; MOLX agonist; MOLX antagonist;
 XX cardiant; antidiabetic; antiarteriosclerotic; gene therapy;
 KW MOLX-associated disorder; cardiomyopathy; diabetes; atherosclerosis;
 KW human; MOL4f.
 XX Homo sapiens.
 OS WO2003003984-A2.
 XX 16-JAN-2003.
 XX

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PF 03-JUL-2002; 2002WO-US021268.
XX
XX 05-JUL-2001; 2001US-0303168P.
PR
PR 05-JUL-2001; 2001US-0303241P.
PR
PR 26-SEP-2001; 2001US-00965212.
PR
PR 26-SEP-2001; 2001US-00966545.
PR
PR 01-APR-2002; 2002US-0368996P.
PR
PR 01-APR-2002; 2002US-0368996P.
PR
PR 08-MAY-2002; 2002US-0378730P.
PR
PR 30-MAY-2002; 2002US-0384327P.
PR
PR 07-JUN-2002; 2002US-0386816P.
PR
PR 17-JUN-2002; 2002US-00174372.
XX
XX (CURA-) CURAGEN CORP.
XX
XX Fernandes ER, Vernet CAM, Shimkets RA, Anderson DW, Padigar M;
PI Boldog FL, Li L, Shenoy SG, Casman SJ, Rastelli L, Alsobrook JP;
PI Burgess CE, Grosse WM, Gusev VY, Ji W, Lepley DM, Liu X, Mezick AJ;
PI Patturajan M, Shen L, Spaderna SK, Spytek KA, Szekeres ES;
PI Taupier RJ, Tchernev VT, Zerhusen BD, Voss EZ;
XX
DR WPI: 2003-210304/20.
DR N-PSDB; ADD18229.
XX
XX New MOLX polypeptide, nucleic acid or MOLX-specific antibody, useful for
PT preparing a composition for treating or preventing a MOLX-associated
PT disorder, e.g., cardiomyopathy, diabetes or atherosclerosis.
XX
PS Claim 1; SEQ ID NO 116; 371pp; English.
XX
XX This invention relates to novel human nucleic acid sequences which encode
CC novel molecule (MOL) proteins numbered MOL1-23, referred to generally in
CC the specification as MOLX. Compounds which modulate the function of the
CC MOLX proteins of the invention, MOLX agonists or antagonists, may have
CC cardiant, antidiabetic or antiarteriosclerotic activities. In addition,
CC the DNA and protein sequences disclosed may prove useful for gene
CC therapy. The protein, nucleic acid or antibody is useful for preparing a
CC composition for treating or preventing a MOLX-associated disorder, for
CC example cardiomyopathy, diabetes or atherosclerosis. The present sequence
CC is the amino acid sequence of a MOL protein of the invention.
XX
XX Sequence 401 AA;
SQ
Query Match 30.0%; Score 6; DB 7; Length 401;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3 WSSWAL 8
Db 60 WSSWAL 65
|||||
RESULT 38
ADD18228
ID ADD18228 standard; protein; 401 AA.
XX
XX AC ADD18228;
XX
XX 15-JAN-2004 (first entry)
XX
XX Human molecule (MOL) protein MOL4e.
XX
XX molecule protein; MOL protein; MOLX; MOLX agonist; MOLX antagonist;
KW cardiant; antidiabetic; antiarteriosclerotic; gene therapy;
KW MOLX-associated disorder; cardiomyopathy; diabetes; atherosclerosis;
KW human; MOL4e.
XX
XX Homo sapiens.
XX
XX WO2003003984-A2.
XX
XX 16-JAN-2003.

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XX
XX 03-JUL-2002; 2002WO-US021268.
XX
XX 05-JUL-2001; 2001US-0303168P.
PR
PR 05-JUL-2001; 2001US-0303241P.
PR
PR 26-SEP-2001; 2001US-00965212.
PR
PR 26-SEP-2001; 2001US-00966545.
PR
PR 01-APR-2002; 2001US-00966546.
PR
PR 01-APR-2002; 2002US-0368996P.
PR
PR 01-APR-2002; 2002US-0369065P.
PR
PR 08-MAY-2002; 2002US-0378730P.
PR
PR 30-MAY-2002; 2002US-0384327P.
PR
PR 07-JUN-2002; 2002US-0386816P.
PR
PR 17-JUN-2002; 2002US-00174372.
XX
XX (CURA-) CURAGEN CORP.
XX
XX Fernandes ER, Vernet CAM, Shimkets RA, Anderson DW, Padigar M;
PI Boldog FL, Li L, Shenoy SG, Casman SJ, Rastelli L, Alsobrook JP;
PI Burgess CE, Grosse WM, Gusev VY, Ji W, Lepley DM, Liu X, Mezick AJ;
PI Patturajan M, Shen L, Spaderna SK, Spytek KA, Szekeres ES;
PI Taupier RJ, Tchernev VT, Zerhusen BD, Voss EZ;
XX
XX WPI: 2003-210304/20.
DR N-PSDB; ADD18226.
XX
XX New MOLX polypeptide, nucleic acid or MOLX-specific antibody, useful for
PT preparing a composition for treating or preventing a MOLX-associated
PT disorder, e.g., cardiomyopathy, diabetes or atherosclerosis.
XX
XX Claim 1; SEQ ID NO 114; 371pp; English.
XX
XX This invention relates to novel human nucleic acid sequences which encode
CC novel molecule (MOL) proteins numbered MOL1-23, referred to generally in
CC the specification as MOLX. Compounds which modulate the function of the
CC MOLX proteins of the invention, MOLX agonists or antagonists, may have
CC cardiant, antidiabetic or antiarteriosclerotic activities. In addition,
CC the DNA and protein sequences disclosed may prove useful for gene
CC therapy. The protein, nucleic acid or antibody is useful for preparing a
CC composition for treating or preventing a MOLX-associated disorder, for
CC example cardiomyopathy, diabetes or atherosclerosis. The present sequence
CC is the amino acid sequence of a MOL protein of the invention.
XX
XX Sequence 401 AA;
SQ
Query Match 30.0%; Score 6; DB 7; Length 401;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3 WSSWAL 8
Db 60 WSSWAL 65
|||||
RESULT 39
ADD18232
ID ADD18232 standard; protein; 401 AA.
XX
XX AC ADD18232;
XX
XX 15-JAN-2004 (first entry)
XX
XX Human molecule (MOL) protein MOL4g.
XX
XX molecule protein; MOL protein; MOLX; MOLX agonist; MOLX antagonist;
KW cardiant; antidiabetic; antiarteriosclerotic; gene therapy;
KW MOLX-associated disorder; cardiomyopathy; diabetes; atherosclerosis;
KW human; MOL4g.
XX
XX Homo sapiens.
XX
XX WO2003003984-A2.
XX
XX 16-JAN-2003.

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PD 16-JAN-2003.
 XX 03-JUL-2002; 2002WO-US021268.
 XX 05-JUL-2001; 2001US-0303168P.
 PR 05-JUL-2001; 2001US-0303241P.
 PR 26-SEP-2001; 2001US-00965212.
 PR 26-SEP-2001; 2001US-00966545.
 PR 26-SEP-2001; 2001US-00966546.
 PR 01-APR-2002; 2002US-0368996P.
 PR 01-APR-2002; 2002US-0369065P.
 PR 08-MAY-2002; 2002US-0378730P.
 PR 30-MAY-2002; 2002US-0384327P.
 PR 07-JUN-2002; 2002US-0386816P.
 PR 17-JUN-2002; 2002US-00174372.
 XX
 PA (CURA-) CURAGEN CORP.
 XX
 XX Fernandes ER, Vernet CAM, Shimkets RA, Anderson DW, Padigar M;
 PI Boldog FL, Li L, Shenoy SG, Casman SJ, Rastelli L, Alsobrook JP;
 PI Burgess CE, Grosse WM, Gusev VV, Ji W, Lepley DM, Liu X, Mezick AJ;
 PI Patturajan M, Shen L, Spaderna SK, Spytek KA, Szekeres ES;
 PI Taupier RJ, Tchernev VT, Zerhusen BD, Voss EZ;
 XX WPI; 2003-210304/20.
 DR N-PSDB; ADD18231.
 XX
 PT New MOLX polypeptide, nucleic acid or MOLX-specific antibody, useful for
 PT preparing a composition for treating or preventing a MOLX-associated
 PT disorder, e.g., cardiomyopathy, diabetes or atherosclerosis.
 XX
 PS Claim 1; SEQ ID NO 118; 371pp; English.
 XX
 CC This invention relates to novel human nucleic acid sequences which encode
 CC novel molecule (MOL) proteins numbered MOL1-23, referred to generally in
 CC the specification as MOLX. Compounds which modulate the function of the
 CC MOLX proteins of the invention, MOLX agonists or antagonists, may have
 CC cardiant, antidiabetic or antiarteriosclerotic activities. In addition,
 CC the DNA and protein sequences disclosed may prove useful for gene
 CC therapy. The protein, nucleic acid or antibody is useful for preparing a
 CC composition for treating or preventing a MOLX-associated disorder, for
 CC example cardiomyopathy, diabetes or atherosclerosis. The present sequence
 CC is the amino acid sequence of a MOL protein of the invention.
 XX
 SQ Sequence 401 AA;
 Query March 30.0%; Score 6; DB 7; Length 401;
 Best Local Similarity 100.0%; Pred. No. 2.3e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 3 WSSWAL 8
 Db 60 WSSWAL 65
 |||||
 |||||
 RESULT 40
 ADJ34125
 ID ADJ34125 standard; protein; 401 AA.
 XX
 AC ADJ34125;
 XX
 DT 06-MAY-2004 (first entry)
 XX
 DE Human secreted protein NOV2e.
 XX
 KW Human; NOVX; secreted protein; cancer; diabetes; obesity;
 KW endocrine disorder; CNS disorder; inflammatory disorder; gene therapy.
 XX
 OS Homo sapiens.
 XX
 PN W02004000997-A2.
 XX
 PD 31-DEC-2003.

XX 04-JUN-2003; 2003WO-US017512.
 PF
 XX 19-MAR-2002; 2002US-0365491P.
 PR 04-JUN-2002; 2002US-0385504P.
 PR 05-JUN-2002; 2002US-0386041P.
 PR 06-JUN-2002; 2002US-0386453P.
 PR 06-JUN-2002; 2002US-0386974P.
 PR 07-JUN-2002; 2002US-0386816P.
 PR 07-JUN-2002; 2002US-0387002P.
 PR 10-JUN-2002; 2002US-0387540P.
 PR 11-JUN-2002; 2002US-0387659P.
 PR 12-JUN-2002; 2002US-0387934P.
 PR 13-JUN-2002; 2002US-0389123P.
 PR 17-JUN-2002; 2002US-0389729P.
 PR 17-JUN-2002; 2002US-0389742P.
 PR 19-JUN-2002; 2002US-0390006P.
 PR 17-JUL-2002; 2002US-0396706P.
 PR 12-AUG-2002; 2002US-0402832P.
 PR 13-AUG-2002; 2002US-0403486P.
 PR 14-AUG-2002; 2002US-0403522P.
 PR 15-AUG-2002; 2002US-0403748P.
 PR 06-NOV-2002; 2002US-0387037P.
 PR 03-JUN-2003; 2003US-00454246.
 XX
 PA (CURA-) CURAGEN CORP.
 XX
 PI Anderson DW, Boldog FL, Burgess CE, Casman SJ, Edinger SR;
 PI Eisen A, Ellerman K, Gerlach VL, Gorman L, Guo X, Gusev VV, Ji W;
 PI Li L, Macdougall JR, Malyankar UM, Millet I, Ort T, Padigar M;
 PI Prayaga SK, Patturajan M, Pena CEA, Peyman JA, Rieger DK;
 PI Rothenberg ME, Sciore P, Shenoy SG, Smithson G, Spytek KA, Stone DJ;
 PI Taupier RJ, Tchernev VT, Vernet CAM, Voss EZ, Zerhusen BD, Zhong M;
 XX WPI; 2004-082483/08.
 DR N-PSDB; ADJ34124.
 XX
 PT New isolated NOVX polypeptides useful for treating, preventing and
 PT diagnosing pathological conditions with NOVX-associated disorders, such
 PT as cancer, obesity, diabetes and inflammatory or CNS diseases.
 XX
 PS Claim 1; SEQ ID NO 14; 418pp; English.
 XX
 CC The invention relates to a new isolated polypeptide (designated NOVX)
 CC comprising one of 141 fully defined sequences, their mature forms, a
 CC protein comprising one or more conservative substitutions or having at
 CC least 95% identity to one of the 141 proteins. Also included are a
 CC composition comprising NOVX (or a NOVX nucleic acid molecule (NA)), a kit
 CC comprising the composition of NOVX in one or more containers, an isolated
 CC nucleic acid molecule encoding a NOVX protein, producing NOVX (comprising
 CC culturing a cell under conditions that lead to expression of the
 CC polypeptide, where the cell comprises a vector comprising NOVX NA),
 CC identifying an agent that binds to NOVX, identifying a potential
 CC therapeutic agent for use in the treatment of a pathology that is related
 CC to aberrant expression or physiological interactions of NOVX, screening
 CC for a modulator of activity of or latency or predisposition to a
 CC pathology associated with NOVX, modulating the activity of NOVX, treating
 CC or preventing a pathology associated with NOVX, treating a pathological
 CC state in a mammal, a vector comprising the NOVX nucleic acid molecule, a
 CC cell comprising the vector, an antibody that immunospecifically binds to
 CC NOVX, determining the presence or amount of NOVX or the nucleic acid
 CC molecule in a sample, and determining the presence of or predisposition
 CC to a disease associated with altered levels of expression of NOVX or the
 CC nucleic acid molecule in a first mammalian subject. The methods and
 CC compositions of the present invention are useful for the diagnosis and
 CC treatment of disorders associated with aberrant expression or activity of
 CC the NOVX polypeptide, such as cancer, diabetes, obesity, and endocrine,
 CC CNS and inflammatory disorders. They can also be used in various
 CC detection and screening assays, chromosome mapping, tissue typing, gene
 CC therapy and predictive medicine. The present sequence represents a NOVX
 CC protein.
 XX
 SQ Sequence 401 AA;

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Query Match          30.0%; Score 6; DB 8; Length 401;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WSSWAL 8
Db 60 WSSWAL 65

RESULT 41
ADJ34123
ID ADJ34123 standard; protein; 401 AA.
AC ADJ34123;
XX 06-MAY-2004 (first entry)
XX Human secreted protein NOV2d.
XX Human; NOVX; secreted protein; cancer; diabetes; obesity;
KW endocrine disorder; CNS disorder; inflammatory disorder; gene therapy.
XX Homo sapiens.
XX WO2004000997-A2.
XX 31-DEC-2003.
XX 04-JUN-2003; 2003WO-US017512.
XX 19-MAR-2002; 2002US-0365491P.
XX 04-JUN-2002; 2002US-0385504P.
XX 05-JUN-2002; 2002US-0386041P.
XX 06-JUN-2002; 2002US-0386453P.
XX 06-JUN-2002; 2002US-0386974P.
XX 07-JUN-2002; 2002US-0386916P.
XX 07-JUN-2002; 2002US-0387002P.
XX 10-JUN-2002; 2002US-0387540P.
XX 11-JUN-2002; 2002US-0387659P.
XX 12-JUN-2002; 2002US-0387934P.
XX 13-JUN-2002; 2002US-0389123P.
XX 17-JUN-2002; 2002US-0389729P.
XX 17-JUN-2002; 2002US-0389742P.
XX 19-JUN-2002; 2002US-0390006P.
XX 17-JUL-2002; 2002US-0396706P.
XX 12-AUG-2002; 2002US-0402832P.
XX 13-AUG-2002; 2002US-0403486P.
XX 14-AUG-2002; 2002US-0403522P.
XX 15-AUG-2002; 2002US-0403748P.
XX 06-NOV-2002; 2002US-0387037P.
XX 03-JUN-2003; 2003US-00454246.
XX (CURA-) CURAGEN CORP.
XX Anderson DW, Boldog FL, Burgess CE, Casman SJ, Edinger SR;
PI Eisen A, Billerman K, Gerlach VL, Gorman L, Gusev VY, Ji W;
PI Li L, Macdougall JR, Malyankar UM, Millet I, Ort T, Padigar M;
PI Prayaga SK, Patturajan M, Pena CE, Peyman JA, Rieger DK;
PI Rothenberg ME, Sciore P, Shenoy SG, Smithson G, Spytek KA, Stone DJ;
PI Taupier RJ, Tchernev VI, Vernet CAM, Voss EZ, Zernhusen BD, Zhong M;
XX WPI; 2004-082493/08.
XX N-PSDB; ADJ34122.
XX New isolated NOVX polypeptides useful for treating, preventing and
PT diagnosing pathological conditions with NOVX-associated disorders, such
PT as cancer, obesity, diabetes and inflammatory or CNS diseases.
XX Claim 1; SEQ ID NO 12; 418pp; English.
XX The invention relates to a new isolated polypeptide (designated NOVX)
CC comprising one of 141 fully defined sequences, their mature forms, a

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CC protein comprising one or more conservative substitutions or having at
CC least 95% identity to one of the 141 proteins. Also included are a
CC composition comprising NOVX (or a NOVX nucleic acid molecule (NA)), a kit
CC comprising the composition of NOVX in one or more containers, an isolated
CC nucleic acid molecule encoding a NOVX protein, producing NOVX (comprising
CC culturing a cell under conditions that lead to expression of the
CC polypeptide, where the cell comprises a vector comprising NOVX NA),
CC identifying an agent that binds to NOVX, identifying a potential
CC therapeutic agent for use in the treatment of a pathology that is related
CC to aberrant expression or physiological interactions of NOVX, screening
CC for a modulator of activity of or latency or predisposition to a
CC pathology associated with NOVX, modulating the activity of NOVX, treating
CC or preventing a pathology associated with NOVX, treating a pathological
CC state in a mammal, a vector comprising the NOVX nucleic acid molecule, a
CC cell comprising the vector, an antibody that immunospecifically binds to
CC NOVX, determining the presence or amount of NOVX or the nucleic acid
CC molecule in a sample, and determining the presence of or predisposition
CC to a disease associated with altered levels of expression of NOVX or the
CC nucleic acid molecule in a first mammalian subject. The methods and
CC compositions of the present invention are useful for the diagnosis and
CC treatment of disorders associated with aberrant expression or activity of
CC the NOVX polypeptide, such as cancer, diabetes, obesity, and endocrine,
CC CNS and inflammatory disorders. They can also be used in various
CC detection and screening assays, chromosome mapping, tissue typing, gene
CC therapy and predictive medicine. The present sequence represents a NOVX
CC protein.
XX
XX Sequence 401 AA;
SQ

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Query Match          30.0%; Score 6; DB 8; Length 401;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 3 WSSWAL 8
Db 60 WSSWAL 65

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RESULT 42

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ADJ34121
ID ADJ34121 standard; protein; 401 AA.
XX

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AC ADJ34121;
XX

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DT 06-MAY-2004 (first entry)
XX

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DE Human secreted protein NOV2c.
XX

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KW Human; NOVX; secreted protein; cancer; diabetes; obesity;
KW endocrine disorder; CNS disorder; inflammatory disorder; gene therapy.
XX

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OS Homo sapiens.
XX

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PN WO2004000997-A2.
XX

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PD 31-DEC-2003.
XX

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PF 04-JUN-2003; 2003WO-US017512.
XX

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PR 19-MAR-2002; 2002US-0365491P.
PR

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PR 04-JUN-2002; 2002US-0385504P.
PR

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PR 05-JUN-2002; 2002US-0386041P.
PR

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PR 06-JUN-2002; 2002US-0386453P.
PR

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PR 06-JUN-2002; 2002US-0386974P.
PR

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PR 07-JUN-2002; 2002US-0386916P.
PR

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PR 07-JUN-2002; 2002US-0387002P.
PR

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PR 10-JUN-2002; 2002US-0387540P.
PR

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PR 11-JUN-2002; 2002US-0387659P.
PR

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PR 12-JUN-2002; 2002US-0387934P.
PR

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PR 13-JUN-2002; 2002US-0389123P.
PR

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PR 17-JUN-2002; 2002US-0389729P.
PR

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PR 19-JUN-2002; 2002US-0390006P.
PR

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PR 17-JUL-2002; 2002US-0396706P.
 PR 12-AUG-2002; 2002US-0402832P.
 PR 13-AUG-2002; 2002US-0403486P.
 PR 14-AUG-2002; 2002US-0403522P.
 PR 15-AUG-2002; 2002US-0403748P.
 PR 06-NOV-2002; 2002US-0387037P.
 PR 03-JUN-2003; 2003US-00454246.
 XX
 PA (CURA-) CURAGEN CORP.
 XX
 PI Anderson DW, Boldog FL, Burgess CE, Casman SJ, Edinger SR;
 PI Eisen A, Ellerman K, Garlach VL, Gorman L, Guo X, Gusev VY, Ji W;
 PI Li L, Macdougall JR, Malyankar UM, Millet I, Ort T, Padigar M;
 PI Prayaga SK, Patturajan M, Pena CEA, Peyman JA, Rieger DK;
 PI Rothenberg ME, Sciore P, Shenoy SG, Smithson G, Spytek KA, Stone DJ;
 PI Taupier RJ, Tchernev VT, Vernet CAM, Voss EZ, Zerhusen BD, Zhong M;
 XX
 DR WPI: 2004-082483/08.
 DR N-PSDB; ADJ34120.
 XX
 PT New isolated NOVX polypeptides useful for treating, preventing and
 PT diagnosing pathological conditions with NOVX-associated disorders, such
 PT as cancer, obesity, diabetes and inflammatory or CNS diseases.
 XX
 PS Claim 1; SEQ ID NO 10; 418pp; English.
 XX
 CC The invention relates to a new isolated polypeptide (designated NOVX)
 CC comprising one of 141 fully defined sequences, their mature forms, a
 CC protein comprising one or more conservative substitutions or having at
 CC least 95% identity to one of the 141 proteins. Also included are a
 CC composition comprising NOVX (or a NOVX nucleic acid molecule (NA)), a kit
 CC comprising the composition of NOVX in one or more containers, an isolated
 CC nucleic acid molecule encoding a NOVX protein, producing NOVX (comprising
 CC culturing a cell under conditions that lead to expression of the
 CC polypeptide, where the cell comprises a vector comprising NOVX NA),
 CC identifying an agent that binds to NOVX, identifying a potential
 CC therapeutic agent for use in the treatment of a pathology that is related
 CC to aberrant expression or physiological interactions of NOVX, screening
 CC for a modulator of activity of or latency or predisposition to a
 CC pathology associated with NOVX, modulating the activity of NOVX, treating
 CC or preventing a pathology associated with NOVX, treating a pathological
 CC state in a mammal, a vector comprising the NOVX nucleic acid molecule, a
 CC cell comprising the vector, an antibody that immunospecifically binds to
 CC NOVX, determining the presence or amount of NOVX or the nucleic acid
 CC molecule in a sample, and determining the presence of or predisposition
 CC to a disease associated with altered levels of expression of NOVX or the
 CC nucleic acid molecule in a first mammalian subject. The methods and
 CC compositions of the present invention are useful for the diagnosis and
 CC treatment of disorders associated with aberrant expression or activity of
 CC the NOVX polypeptide, such as cancer, diabetes, obesity, and endocrine,
 CC CNS and inflammatory disorders. They can also be used in various
 CC detection and screening assays, chromosome mapping, tissue typing, gene
 CC therapy and predictive medicine. The present sequence represents a NOVX
 CC protein.
 XX
 SQ Sequence 401 AA;
 Query Match 30.0%; Score 6; DB 8; Length 401;
 Best Local Similarity 100.0%; Pred.No. 2.3e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 3 WSSWAL 8
 |||||
 Db 60 WSSWAL 65
 RESULT 43
 ID ADJ34127
 AC ADJ34127 standard; protein; 401 AA.
 XX
 AC ADJ34127;
 XX
 DT 06-MAY-2004 (first entry)

XX Human secreted protein NOV2f.
 DE
 XX Human, NOVX; secreted protein; cancer; diabetes; obesity;
 KW endocrine disorder; CNS disorder; inflammatory disorder; gene therapy.
 XX
 XX Homo sapiens.
 OS
 XX WO2004000997-A2.
 PN
 XX 31-DEC-2003.
 PD
 XX 04-JUN-2003; 2003WO-US017512.
 PF
 XX 19-MAR-2002; 2002US-0365491P.
 PR 04-JUN-2002; 2002US-0385504P.
 PR 05-JUN-2002; 2002US-0386041P.
 PR 06-JUN-2002; 2002US-0386453P.
 PR 06-JUN-2002; 2002US-0386974P.
 PR 07-JUN-2002; 2002US-0386816P.
 PR 07-JUN-2002; 2002US-0387002P.
 PR 10-JUN-2002; 2002US-0387540P.
 PR 11-JUN-2002; 2002US-0387659P.
 PR 12-JUN-2002; 2002US-0387934P.
 PR 13-JUN-2002; 2002US-0389123P.
 PR 17-JUN-2002; 2002US-0389729P.
 PR 17-JUN-2002; 2002US-0389742P.
 PR 19-JUN-2002; 2002US-0390066P.
 PR 17-JUL-2002; 2002US-0396706P.
 PR 12-AUG-2002; 2002US-0402832P.
 PR 13-AUG-2002; 2002US-0403486P.
 PR 14-AUG-2002; 2002US-0403522P.
 PR 15-AUG-2002; 2002US-0403748P.
 PR 06-NOV-2002; 2002US-0387037P.
 PR 03-JUN-2003; 2003US-00454246.
 XX
 (CURA-) CURAGEN CORP.
 XX
 PI Anderson DW, Boldog FL, Burgess CE, Casman SJ, Edinger SR;
 PI Eisen A, Ellerman K, Garlach VL, Gorman L, Guo X, Gusev VY, Ji W;
 PI Li L, Macdougall JR, Malyankar UM, Millet I, Ort T, Padigar M;
 PI Prayaga SK, Patturajan M, Pena CEA, Peyman JA, Rieger DK;
 PI Rothenberg ME, Sciore P, Shenoy SG, Smithson G, Spytek KA, Stone DJ;
 PI Taupier RJ, Tchernev VT, Vernet CAM, Voss EZ, Zerhusen BD, Zhong M;
 XX
 DR WPI: 2004-082483/08.
 DR N-PSDB; ADJ34126.
 XX
 PT New isolated NOVX polypeptides useful for treating, preventing and
 PT diagnosing pathological conditions with NOVX-associated disorders, such
 PT as cancer, obesity, diabetes and inflammatory or CNS diseases.
 XX
 PS Claim 1; SEQ ID NO 16; 418pp; English.
 XX
 CC The invention relates to a new isolated polypeptide (designated NOVX)
 CC comprising one of 141 fully defined sequences, their mature forms, a
 CC protein comprising one or more conservative substitutions or having at
 CC least 95% identity to one of the 141 proteins. Also included are a
 CC composition comprising NOVX (or a NOVX nucleic acid molecule (NA)), a kit
 CC comprising the composition of NOVX in one or more containers, an isolated
 CC nucleic acid molecule encoding a NOVX protein, producing NOVX (comprising
 CC culturing a cell under conditions that lead to expression of the
 CC polypeptide, where the cell comprises a vector comprising NOVX NA),
 CC identifying an agent that binds to NOVX, identifying a potential
 CC therapeutic agent for use in the treatment of a pathology that is related
 CC to aberrant expression or physiological interactions of NOVX, screening
 CC for a modulator of activity of or latency or predisposition to a
 CC pathology associated with NOVX, modulating the activity of NOVX, treating
 CC or preventing a pathology associated with NOVX, treating a pathological
 CC state in a mammal, a vector comprising the NOVX nucleic acid molecule, a
 CC cell comprising the vector, an antibody that immunospecifically binds to
 CC NOVX, determining the presence or amount of NOVX or the nucleic acid
 CC molecule in a sample, and determining the presence of or predisposition
 CC to a disease associated with altered levels of expression of NOVX or the
 CC nucleic acid molecule in a first mammalian subject. The methods and
 CC compositions of the present invention are useful for the diagnosis and
 CC treatment of disorders associated with aberrant expression or activity of
 CC the NOVX polypeptide, such as cancer, diabetes, obesity, and endocrine,
 CC CNS and inflammatory disorders. They can also be used in various
 CC detection and screening assays, chromosome mapping, tissue typing, gene
 CC therapy and predictive medicine. The present sequence represents a NOVX
 CC protein.

CC to a disease associated with altered levels of expression of NOVX or the
 CC nucleic acid molecule in a first mammalian subject. The methods and
 CC compositions of the present invention are useful for the diagnosis and
 CC treatment of disorders associated with aberrant expression or activity of
 CC the NOVX polypeptide, such as cancer, diabetes, obesity, and endocrine,
 CC CNS and inflammatory disorders. They can also be used in various
 CC detection and screening assays, chromosome mapping, tissue typing, gene
 CC therapy and predictive medicine. The present sequence represents a NOVX
 CC protein.

XX Sequence 401 AA;

Query Match 30.0%; Score 6; DB 8; Length 401;

Best Local Similarity 100.0%; Pred. No. 2.3e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WSSWAL 8

Db 60 WSSWAL 65

|||||

RESULT 44

ABG14215
 ID ABG14215 standard; protein; 426 AA.

XX

AC ABG14215;

XX

DT 18-FEB-2002 (first entry)

XX

XX

DE Novel human diagnostic protein #14206.

XX

KW Human; chromosome mapping; gene mapping; gene therapy; forensic;

XX food supplement; medical imaging; diagnostic; genetic disorder.

XX

OS Homo sapiens.

XX

PN WO200175067-A2.

XX

PD 11-OCT-2001.

XX

XX

PF 30-MAR-2001; 2001WO-US008631.

XX

PR 31-MAR-2000; 2000US-00540217.

XX

PR 23-AUG-2000; 2000US-00649167.

XX

XX (HYSE-) HYSEQ INC.

PA

XX

XX Drmanac RT, Liu C, Tang YT;

PI

XX

DR WPI; 2001-639362/73.

XX

DR N-PSDB; AAS78402.

XX

XX

PT New isolated polynucleotide and encoded polypeptides, useful in

XX diagnostics, forensics, gene mapping, identification of mutations

PT responsible for genetic disorders or other traits and to assess

XX biodiversity.

XX

XX Claim 20; SEQ ID NO 44574; 103pp; English.

PS

XX

CC The invention relates to isolated polynucleotide (I) and polypeptide (II)

CC sequences. (I) is useful as hybridisation probes, polymerase chain

CC reaction (PCR) primers, oligomers, and for chromosome and gene mapping,

CC and in recombinant production of (II). The polynucleotides are also used

CC in diagnostics as expressed sequence tags for identifying expressed

CC genes. (I) is useful in gene therapy techniques to restore normal

CC activity of (II) or to treat disease states involving (II). (II) is

CC useful for generating antibodies against it, detecting or quantitating a

CC polypeptide in tissue, as molecular weight markers and as a food

CC supplement. (II) and its binding partners are useful in medical imaging

CC of sites expressing (II). (I) and (II) are useful for treating disorders

CC involving aberrant protein expression or biological activity. The

CC polypeptide and polynucleotide sequences have applications in

CC diagnostics, forensics, gene mapping, identification of mutations

CC.

CC responsible for genetic disorders or other traits to assess biodiversity
 CC and to produce other types of data and products dependent on DNA and
 CC amino acid sequences. ABG00010-ABG30377 represent novel human diagnostic
 CC amino acid sequences of the invention. Note: The sequence data for this
 CC patent did not appear in the printed specification, but was obtained in
 CC electronic format directly from WIPO at
 CC ftp.wipo.int/pub/published_pct_sequences

XX Sequence 426 AA;

Query Match 30.0%; Score 6; DB 4; Length 426;

Best Local Similarity 100.0%; Pred. No. 2.4e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GWRWLR 14

Db 78 GWRWLR 83

|||||

RESULT 45

ABO73332

ID ABO73332 standard; protein; 478 AA.

XX

AC ABO73332;

XX

DT 29-JUL-2004 (first entry)

XX

XX Pseudomonas aeruginosa polypeptide #5507.

DE

XX Bacterial infection; Pseudomonas aeruginosa infection; antibacterial.

KW

XX Pseudomonas aeruginosa.

OS

XX US6551795-B1.

PN

XX 22-APR-2003.

XX

PF 18-FEB-1999; 99US-00252991.

XX

XX 18-FEB-1998; 98US-0074788P.

PR

XX 27-JUL-1998; 98US-0094190P.

XX

PA (GENO-) GENOME THERAPEUTICS CORP.

XX

XX Rubenfield MJ, Nollong J, Deloughery C, Bush D;

PI

XX WPI; 2003-615309/58.

DR

XX N-PSDB; ABD06903.

XX

PT Novel isolated nucleic acid encoding Pseudomonas aeruginosa polypeptide,

XX useful as molecular targets for diagnostics, prophylaxis and treatment of

PT pathological conditions resulting from bacterial infection.

XX

PS Disclosure; SEQ ID NO 22078; 455pp; English.

XX

CC The invention relates to Pseudomonas aeruginosa polypeptides and the

CC polynucleotides encoding them. The sequences are useful in diagnosis and

CC therapy of pathological conditions, as molecular targets for diagnostics,

CC prophylaxis and treatment of pathological conditions resulting from a

CC bacterial infection, for evaluating a compound, such as a polypeptide,

CC for the ability to bind a P. aeruginosa nucleic acid, as components of

CC effective antibacterial targets, as targets for antibacterial drugs,

CC including anti-P. aeruginosa drugs, as templates for recombinant

CC production of P. aeruginosa-derived peptides or polypeptides, as target

CC components for diagnosis and/or treatment of P. aeruginosa-caused

CC infection, and in detection of P. aeruginosa sequences or other sequences

CC of Pseudomonas species using biochip technology. Sequences AB067826-

CC AB084396 represent P. aeruginosa polypeptides of the invention. Note: The

CC sequence data for this patent did not form part of the printed

CC specification but was obtained in electronic format from USPTO at

XX seqdata.uspto.gov/sequence.html

XX

XX Sequence 478 AA;

```

Query Match          30.0%; Score 6; DB 7; Length 478;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLRR 15
    |||||
Db 443 WRWLRR 448

RESULT 46
AB93521
ID ABB93521 standard; protein; 502 AA.
XX AC ABB93521;
XX DT 31-MAY-2002 (first entry)
XX DE Herbicidally active polypeptide SEQ ID NO 2732.
XX KW Herbicidal; plant; agriculture; herbicide.
XX OS Arabidopsis thaliana.
XX PN WO200210210-A2.
XX PD 07-FEB-2002.
XX PF 28-AUG-2001; 2001WO-EP009892.
XX PR 28-AUG-2001; 2001WO-EP009892.
XX PA (FARB ) BAYER AG.
XX PI Tietjen K, Weidler M;
XX DR WPI; 2002-269010/31.
XX PT Identifying plant target proteins for herbicidally active compounds,
PT comprising aligning and comparing nucleic acid or amino acid sequences
PT from plant with nucleic acid or amino acid sequences from non-plant
PT organisms.
XX PS Claim 5; SEQ ID NO 2732; 261pp + Sequence Listing; English.
XX CC The invention relates to identifying target proteins (AB990790-AB994016)
CC for herbicidally active compounds, comprising aligning and comparing
CC nucleic acid or amino acid sequences from plant with nucleic acid or
CC amino acid sequences from non-plant organisms using suitable search
CC parameters, where plant sequences having an E-value greater by a factor
CC of 3 than the E-value of most similar non-plant sequences are selected.
CC The polypeptides or nucleic acids encoding them are useful for
CC identifying modulators. The identified modulators are useful as
CC herbicides
XX SQ Sequence 502 AA;

Query Match          30.0%; Score 6; DB 5; Length 502;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYGW 18
    |||||
Db 395 LRRYGW 400

RESULT 47
AAO15132
ID AAO15132 standard; protein; 502 AA.
XX AC AAO15132;
XX DT 25-SEP-2002 (first entry)

```

```

XX A thaliana GAD1.
DE
XX
XX KW GAD; plant GABA production regulation; glutamic acid decarboxylase;
KW plant stress; GABA; gamma-aminobutyric acid; stress resistance.
XX OS Arabidopsis thaliana.
XX PN WO200238736-A2.
XX PD 16-MAY-2002.
XX PF 07-NOV-2001; 2001WO-US047447.
XX PR 07-NOV-2000; 2000US-0246367P.
XX PA (EMER-) EMERALD BIOAGRICULTURE CORP.
XX PI Kinnersley AM, Turano FJ;
XX DR WPI; 2002-490073/52.
XX N-PSDB; AAL43410.
XX Making transformed plants that selectively increase gamma-aminobutyric
PT acid production, by incorporating a DNA construct with a polynucleotide
PT encoding a plant glutamic acid decarboxylase enzyme into plant's genome.
XX PS Claim 17; Page 53; 63pp; English.
XX CC The present invention relates to a method of producing a transformed
CC plant that selectively increases production of gamma-aminobutyric acid
CC (GABA) in response to a signal, by incorporating into the plant's genome
CC a DNA construct with a non-constitutive promoter operably linked to a
CC polynucleotide encoding a functional plant glutamic acid decarboxylase
CC (GAD), to provide a transformed plant that expresses the GAD coding
CC sequence in response to a signal. Plants of this type have an enhanced
CC ability to tolerate environmental or other stresses. The present sequence
CC is the A. thaliana GAD1 protein
XX SQ Sequence 502 AA;

Query Match          30.0%; Score 6; DB 5; Length 502;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYGW 18
    |||||
Db 395 LRRYGW 400

RESULT 48
AAAY4633
ID AAY44633 standard; protein; 548 AA.
XX AC AAY44633;
XX DT 07-APR-2000 (first entry)
XX DE Human organic cation transporter-like protein (OCT1p).
XX KW Human; organic cation transporter-like protein; OCT1p; transporter;
KW transmembrane; nootropic; neuroprotective; neuroleptic; anticonvulsant;
KW antiParkinsonian; antidepressant; cellular process; cell proliferation;
KW screen; treatment; prevention; diagnosis; neurodegenerative disorder;
KW Alzheimer; Parkinson's; Huntington; AUS; amyotrophic lateral sclerosis;
KW CNS disorder; central nervous system; schizophrenia; depression;
KW behavioural; sleep disorder; Alzheimer's; eating disorder.
XX OS Homo sapiens.
XX FH Key Location/Qualifiers
FT Domain 1..85
FT /label= Cytoplasmic_domain

```


PS Claim 1; Page 83-84; 84pp; English.

XX The present invention relates to a method of treating a subject having a

CC pain disorder characterised by aberrant 577, 20739 or 57145 polypeptide

CC activity or nucleic acid expression. The method involves administering a

CC modulator of 577 (also known as sodium dependent proline transporter),

CC 20739 (also known as P21-activated kinase 3 (PAK-3)) or 57145 (also known

CC as OCT-5). The 577, 20739 or 57045 modulator is useful for treating pain

CC disorders like inflammatory pain, chronic pain, neuropathic pain,

CC causalgia, fibromyalgia, cancer pain, migraine/headache pain and tissue

CC pain. The invention also describes methods for diagnosis and prognosis of

CC various cardiovascular disorders, and for identification of subjects

CC exhibiting a predisposition to such conditions. The present sequence is

CC human 57145 protein

XX

SQ Sequence 548 AA;

Query Match 30.0%; Score 6; DB 6; Length 548;

Best Local Similarity 100.0%; Pred. No. 2.9e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13

Db 235 LGWRWL 240

|||||

RESULT 50

ADO77835

ID ADO77835 standard; protein; 548 AA.

XX ADO77835;

AC

XX 26-AUG-2004 (first entry)

DT

XX

XX Rat synaptic vesicle protein 2, SVOP.

DE

XX

KW rat; levitiracetam; epilepsy; epileptogenesis; seizure disorder;

KW convulsion; depression; anxiety; cerebral ischaemia; myotonia; stroke;

KW Tourette's syndrome; neonatal cerebral haemorrhage; Parkinson's disease;

KW Alzheimer's disease; dementia; synaptic vesicle protein 2; SVOP.

XX

OS Rattus norvegicus.

XX

XX US2004106147-A1.

PN

XX

XX 03-JUN-2004.

PD

XX

XX 03-DEC-2002; 2002US-00308163.

PE

XX

XX 03-DEC-2002; 2002US-00308163.

PR

XX

XX (UNIO) UCB SA.

PA

XX

PI Lynch B, Nocka K, Fuks B;

DR

DR WPI; 2004-467256/44.

DR N-PSDB; ADO77834.

XX

PT Identifying binding partner for synaptic vesicle protein 2 (SV2) for

PT treating epilepsy, Parkinson's disease, Alzheimer's disease, involves

PT determining binding partner which modulates binding of levitiracetam or

PT its analog to SV2 protein.

XX

PS Disclosure; SEQ ID NO 16; 63pp; English.

XX

XX The invention relates to a method of identifying a binding partner for

CC synaptic vesicle protein 2 (SV2), involves incubating SV2 protein with

CC levitiracetam and a potential binding partner and determining if the

CC potential binding partner modulates the binding of levitiracetam to the

CC SV2 protein or fragment, thus identifying a binding partner for the SV2

CC protein. The method is useful for identifying a binding partner for

CC synaptic vesicle protein 2 and the identified binding partner is useful

CC for treating epilepsy, epileptogenesis, seizure disorders, convulsions,

CC depression, anxiety, cerebral ischaemia, myotonia, stroke, Tourette's

CC syndrome, neonatal cerebral haemorrhage, Parkinson's disease, Alzheimer's

CC disease and dementia. The present sequence represents the amino acid

CC sequence of the human synaptic vesicle protein 2, SVOP.

XX

SQ Sequence 548 AA;

Query Match 30.0%; Score 6; DB 8; Length 548;

Best Local Similarity 100.0%; Pred. No. 2.9e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CC depression, anxiety, cerebral ischaemia, myotonia, stroke, Tourette's

CC syndrome, neonatal cerebral haemorrhage, Parkinson's disease, Alzheimer's

CC disease and dementia. The present sequence represents the amino acid

CC sequence of the rat synaptic vesicle protein 2, SVOP.

XX

SQ Sequence 548 AA;

Query Match 30.0%; Score 6; DB 8; Length 548;

Best Local Similarity 100.0%; Pred. No. 2.9e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13

Db 235 LGWRWL 240

|||||

RESULT 51

ADO77827

ID ADO77827 standard; protein; 548 AA.

XX ADO77827;

AC

XX 26-AUG-2004 (first entry)

DT

XX

XX Human synaptic vesicle protein 2, SVOP, DNA.

DE

XX

KW human; levitiracetam; epilepsy; epileptogenesis; seizure disorder;

KW convulsion; depression; anxiety; cerebral ischaemia; myotonia; stroke;

KW Tourette's syndrome; neonatal cerebral haemorrhage; Parkinson's disease;

KW Alzheimer's disease; dementia; synaptic vesicle protein 2; SVOP.

XX

OS Homo sapiens.

XX

XX US2004106147-A1.

PN

XX

XX 03-JUN-2004.

PD

XX

XX 03-DEC-2002; 2002US-00308163.

PF

XX

XX 03-DEC-2002; 2002US-00308163.

PR

XX

XX (UNIO) UCB SA.

PA

XX

PI Lynch B, Nocka K, Fuks B;

DR

DR WPI; 2004-467256/44.

DR N-PSDB; ADO77826.

XX

PT Identifying binding partner for synaptic vesicle protein 2 (SV2) for

PT treating epilepsy, Parkinson's disease, Alzheimer's disease, involves

PT determining binding partner which modulates binding of levitiracetam or

PT its analog to SV2 protein.

XX

PS Disclosure; SEQ ID NO 8; 63pp; English.

XX

XX The invention relates to a method of identifying a binding partner for

CC synaptic vesicle protein 2 (SV2), involves incubating SV2 protein with

CC levitiracetam and a potential binding partner and determining if the

CC potential binding partner modulates the binding of levitiracetam to the

CC SV2 protein or fragment, thus identifying a binding partner for the SV2

CC protein. The method is useful for identifying a binding partner for

CC synaptic vesicle protein 2 and the identified binding partner is useful

CC for treating epilepsy, epileptogenesis, seizure disorders, convulsions,

CC depression, anxiety, cerebral ischaemia, myotonia, stroke, Tourette's

CC syndrome, neonatal cerebral haemorrhage, Parkinson's disease, Alzheimer's

CC disease and dementia. The present sequence represents the amino acid

CC sequence of the human synaptic vesicle protein 2, SVOP.

XX

SQ Sequence 548 AA;

Query Match 30.0%; Score 6; DB 8; Length 548;

Best Local Similarity 100.0%; Pred. No. 2.9e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
 Db 235 LGWRWL 240

RESULT 52
 ADP44588
 ID ADP44588 standard; protein; 548 AA.
 XX
 AC ADP44588;
 XX
 DT 09-SEP-2004 (first entry)
 XX
 DE Human synaptic vesicle protein OP (SVOP).
 XX
 KW neurological disorder; synaptic vesicle function; endocrinopathy;
 KW hormonal; SV2; synaptic vesicle protein 2; anticonvulsant; neuroleptic;
 KW antianemic; antidepressant; tranquiliser; antimigraine; analgesic;
 KW cerebroprotective; vasotropic; vulnery; muscle relaxant; acaricide;
 KW relaxant; haemostatic; neuroprotective; antiparkinsonian; nootropic;
 KW endocrine; antidiabetic; seizure; epilepsy; Parkinson's; Alzheimer's;
 KW cognitive; movement; bipolar; neurodegenerative; dementia; gigantism;
 KW dwarfism; adrenal-medulla; hypoglycaemia; circulation shock; human; SVOP.
 XX
 OS Homo sapiens.
 XX
 PN WO2004051222-A2.
 XX
 PD 17-JUN-2004.
 XX
 PF 02-DEC-2003; 2003WO-US038122.
 XX
 PR 03-DEC-2002; 2002US-0430372P.
 PR 30-SEP-2003; 2003US-0506764P.
 XX
 PA (UNIO) UCB SA.
 XX
 PI Lynch B, Nocka K, Fuks B;
 XX
 DR WPI; 2004-461170/43.
 DR N-PSDB; ADP44587.
 XX
 PT Treating neurological disorder associated with synaptic vesicle function
 PT such as seizure, epilepsy, endocrinopathy or hormonal diseases, involves
 PT administering compound that modulates function or activity of SV2
 PT proteins.
 XX
 PS Disclosure; SEQ ID NO 8; 135pp; English.
 XX
 CC The invention relates to a novel method for treating a neurological
 CC disorder associated with synaptic vesicle function, endocrinopathy or
 CC hormonal disease which comprises administering a compound or agent that
 CC modulates a function or activity of an SV2 (synaptic vesicle protein 2)
 CC protein. The method of the invention has anticonvulsant, neuroleptic,
 CC antianemic, antidepressant, tranquiliser, antimigraine, analgesic,
 CC cerebroprotective, vasotropic, vulnery, muscle relaxant, acaricide,
 CC relaxant, haemostatic, neuroprotective, antiparkinsonian, nootropic,
 CC endocrine and antidiabetic applications. The method may be useful for
 CC treating a neurological disorder, endocrinopathy or hormonal disease
 CC associated with synaptic vesicle function. The neurological disorder is
 CC chosen from seizure, epilepsy, Parkinson's disease, Alzheimer's disease,
 CC cognitive disorders, movement disorders, bipolar disorders,
 CC neurodegenerative disease and dementia. The endocrinological disorder is
 CC chosen from endocrinopathies involving hypersecretion or hyposecretion of
 CC at least one hormone, gigantism, dwarfism, adrenal-medulla-related
 CC diseases, hypoglycaemia and circulation shock. The current sequence is
 CC that of the human synaptic vesicle protein OP (SVOP) of the invention.
 XX
 SQ Sequence 548 AA;

Query Match 30.0%; Score 6; DB 8; Length 548;
 Best Local Similarity 100.0%; Pred. No. 2.9e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
 Db 235 LGWRWL 240

RESULT 53
 ADP44596
 ID ADP44596 standard; protein; 548 AA.
 XX
 AC ADP44596;
 XX
 DT 09-SEP-2004 (first entry)
 XX
 DE Norway rat synaptic vesicle protein OP (SVOP).
 XX
 KW neurological disorder; synaptic vesicle function; endocrinopathy;
 KW hormonal; SV2; synaptic vesicle protein 2; anticonvulsant; neuroleptic;
 KW antianemic; antidepressant; tranquiliser; antimigraine; analgesic;
 KW cerebroprotective; vasotropic; vulnery; muscle relaxant; acaricide;
 KW relaxant; haemostatic; neuroprotective; antiparkinsonian; nootropic;
 KW endocrine; antidiabetic; seizure; epilepsy; Parkinson's; Alzheimer's;
 KW cognitive; movement; bipolar; neurodegenerative; dementia; gigantism;
 KW dwarfism; adrenal-medulla; hypoglycaemia; circulation shock; Norway rat;
 KW SVOP.
 XX
 OS Rattus norvegicus.
 XX
 PN WO2004051222-A2.
 XX
 PD 17-JUN-2004.
 XX
 PF 02-DEC-2003; 2003WO-US038122.
 XX
 PR 03-DEC-2002; 2002US-0430372P.
 PR 30-SEP-2003; 2003US-0506764P.
 XX
 PA (UNIO) UCB SA.
 XX
 PI Lynch B, Nocka K, Fuks B;
 XX
 DR WPI; 2004-461170/43.
 DR N-PSDB; ADP44595.
 XX
 PT Treating neurological disorder associated with synaptic vesicle function
 PT such as seizure, epilepsy, endocrinopathy or hormonal diseases, involves
 PT administering compound that modulates function or activity of SV2
 PT proteins.
 XX
 PS Disclosure; SEQ ID NO 16; 135pp; English.
 XX
 CC The invention relates to a novel method for treating a neurological
 CC disorder associated with synaptic vesicle function, endocrinopathy or
 CC hormonal disease which comprises administering a compound or agent that
 CC modulates a function or activity of an SV2 (synaptic vesicle protein 2)
 CC protein. The method of the invention has anticonvulsant, neuroleptic,
 CC antianemic, antidepressant, tranquiliser, antimigraine, analgesic,
 CC cerebroprotective, vasotropic, vulnery, muscle relaxant, acaricide,
 CC relaxant, haemostatic, neuroprotective, antiparkinsonian, nootropic,
 CC endocrine and antidiabetic applications. The method may be useful for
 CC treating a neurological disorder, endocrinopathy or hormonal disease
 CC associated with synaptic vesicle function. The neurological disorder is
 CC chosen from seizure, epilepsy, Parkinson's disease, Alzheimer's disease,
 CC cognitive disorders, movement disorders, bipolar disorders,
 CC neurodegenerative disease and dementia. The endocrinological disorder is
 CC chosen from endocrinopathies involving hypersecretion or hyposecretion of
 CC at least one hormone, gigantism, dwarfism, adrenal-medulla-related
 CC diseases, hypoglycaemia and circulation shock. The current sequence is
 CC that of the Norway rat synaptic vesicle protein OP (SVOP) of the
 CC invention.
 XX
 SQ Sequence 548 AA;

Query Match 30.0%; Score 6; DB 8; Length 548;
 Best Local Similarity 100.0%; Pred. No. 2.9e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 LGWRWL 13
 Db 235 LGWRWL 240
 |||||

RESULT 54
 ADD15932
 ID ADD15932 standard; protein; 610 AA.
 XX
 AC ADD15932;
 XX
 DT 15-JAN-2004 (first entry)
 XX
 DE Aspergillus niger monoamine oxidase protein variant N336S + M348K.
 XX
 KW enantiomeric conversion; amine; homochiral; enzyme; oxidation catalysis;
 KW stereoselective; microbial; monoamine oxidase; MAO; enantioselectivity;
 KW deracemization; mutant; mutein.
 XX
 OS Synthetic.
 OS Aspergillus niger.
 XX
 PH Key Location/Qualifiers
 FT Misc-difference 1..610 /note= "All Xaa residues signify a stop codon"
 FT Misc-difference 336 /note= "The wild-type residue of Asn is substituted with Ser"
 FT Misc-difference 348 /note= "The wild-type residue of Met is substituted with Lys"
 XX
 WO2003080855-A2.
 XX
 PD 02-OCT-2003.
 XX
 PF 19-MAR-2003; 2003WO-GB001198.
 XX
 PR 19-MAR-2002; 2002GB-00006415.
 XX
 PA (GLAX) GLAXO GROUP LTD.
 XX
 PI Alexeeva MV, Enright A, Turner NJ, Mahmoudian M;
 XX
 DR WPI; 2003-779267/73.
 XX
 PT Enantiomeric conversion of amines comprises treating a homochiral amine
 PT or mixture of amine enantiomers with enzyme capable of catalyzing
 PT oxidation of amine and subsequently or simultaneously treating with a
 PT reducing agent.
 XX
 PS Claim 26; SEQ ID NO 3; 43pp; English.
 XX
 CC The invention relates to a novel method for the enantiomeric conversion
 CC of amines. The method comprises treating a homochiral amine or a mixture
 CC of amine enantiomers with an enzyme capable of catalysing oxidation of
 CC the amine in a stereoselective manner and, subsequently or
 CC simultaneously, treating with a reducing agent. A further method of the
 CC invention is useful for directing the evolution of an amine oxidation
 CC enzyme e.g., microbial monoamine oxidase (MAO), preferably Aspergillus
 CC niger monoamine oxidase or its variant. This method is also useful for
 CC increasing the enantioselectivity of an amine oxidase enzyme. The
 CC enantioselective amine oxidase enzyme of the invention is useful in
 CC deracemization of amines. This sequence represents a variant Aspergillus
 CC niger monoamine oxidase protein of the invention.

Query Match 30.0%; Score 6; DB 7; Length 610;
 Best Local Similarity 100.0%; Pred. No. 3.2e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 WALGWR 11
 Db 459 WALGWR 464
 |||||

RESULT 55
 ADD15931
 ID ADD15931 standard; protein; 610 AA.
 XX
 AC ADD15931;
 XX
 DT 15-JAN-2004 (first entry)
 XX
 DE Aspergillus niger monoamine oxidase protein variant N336S.
 XX
 KW enantiomeric conversion; amine; homochiral; enzyme; oxidation catalysis;
 KW stereoselective; microbial; monoamine oxidase; MAO; enantioselectivity;
 KW deracemization; mutant; mutein.
 XX
 OS Synthetic.
 OS Aspergillus niger.
 XX
 PH Key Location/Qualifiers
 FT Misc-difference 1..610 /note= "All Xaa residues signify a stop codon"
 FT Misc-difference 336 /note= "The wild-type residue of Asn is substituted with Ser"
 XX
 WO2003080855-A2.
 XX
 PD 02-OCT-2003.
 XX
 PF 19-MAR-2003; 2003WO-GB001198.
 XX
 PR 19-MAR-2002; 2002GB-00006415.
 XX
 PA (GLAX) GLAXO GROUP LTD.
 XX
 PI Alexeeva MV, Enright A, Turner NJ, Mahmoudian M;
 XX
 DR WPI; 2003-779267/73.
 XX
 PT Enantiomeric conversion of amines comprises treating a homochiral amine
 PT or mixture of amine enantiomers with enzyme capable of catalyzing
 PT oxidation of amine and subsequently or simultaneously treating with a
 PT reducing agent.
 XX
 PS Claim 24; SEQ ID NO 2; 43pp; English.
 XX
 CC The invention relates to a novel method for the enantiomeric conversion
 CC of amines. The method comprises treating a homochiral amine or a mixture
 CC of amine enantiomers with an enzyme capable of catalysing oxidation of
 CC the amine in a stereoselective manner and, subsequently or
 CC simultaneously, treating with a reducing agent. A further method of the
 CC invention is useful for directing the evolution of an amine oxidation
 CC enzyme e.g., microbial monoamine oxidase (MAO), preferably Aspergillus
 CC niger monoamine oxidase or its variant. This method is also useful for
 CC increasing the enantioselectivity of an amine oxidase enzyme. The
 CC enantioselective amine oxidase enzyme of the invention is useful in
 CC deracemization of amines. This sequence represents a variant Aspergillus
 CC niger monoamine oxidase protein of the invention.

Query Match 30.0%; Score 6; DB 7; Length 610;
 Best Local Similarity 100.0%; Pred. No. 3.2e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY      6 WALGWR 11
DB      459 WALGWR 464
|||||
|||||

RESULT 56
ADD15930
ID ADD15930 standard; protein; 610 AA.
XX
AC ADD15930;
XX
DT 15-JAN-2004 (first entry)
XX
DE Wild-type Aspergillus niger monoamine oxidase protein.
XX
KW enantiomeric conversion; amine; homochiral; enzyme; oxidation catalysis;
KW stereoselective; microbial; monoamine oxidase; MAO; enantioselectivity;
KW deracemization; wild-type.
XX
OS Aspergillus niger.
XX
XX Key Location/Qualifiers
FH Misc-difference 1. .610
FT /note= "All Xaa residues signify a stop codon"
FT
PN WO2003080855-A2.
XX
PD 02-OCT-2003.
XX
PF 19-MAR-2003; 2003WO-GB001198.
XX
PR 19-MAR-2002; 2002GB-00006415.
XX
XX (GLAX ) GLAXO GROUP LTD.
XX
XX Alexeeva MV, Enright A, Turner NJ, Mahmoudian M;
XX WPI; 2003-779267/73.
XX
XX Enantiomeric conversion of amines comprises treating a homochiral amine
XX or mixture of amine enantiomers with enzyme capable of catalyzing
XX oxidation of amine and subsequently or simultaneously treating with a
XX reducing agent.
XX
XX Example 7; SEQ ID NO 1; 43pp; English.
XX
CC The invention relates to a novel method for the enantiomeric conversion
CC of amines. The method comprises treating a homochiral amine or a mixture
CC of amine enantiomers with an enzyme capable of catalyzing oxidation of
CC the amine in a stereoselective manner and, subsequently or
CC simultaneously, treating with a reducing agent. A further method of the
CC invention is useful for directing the evolution of an amine oxidation
CC enzyme e.g., microbial monoamine oxidase (MAO), preferably Aspergillus
CC niger monoamine oxidase or its variant. This method is also useful for
CC increasing the enantioselectivity of an amine oxidase enzyme. The
CC enantioselective amine oxidase enzyme of the invention is useful in
CC deracemization of amines. This sequence represents the wild-type
CC Aspergillus niger monoamine oxidase protein of the invention.
XX
SQ Sequence 610 AA;
Query Match 30.0%; Score 6; DB 7; Length 610;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      6 WALGWR 11
DB      459 WALGWR 464
|||||
|||||

RESULT 57
ABO75889
ID ABO75889 standard; protein; 800 AA.
XX
AC ADD15930;
XX
DT 15-JAN-2004 (first entry)
XX
DE Human src biomarker polypeptide SEQ ID NO:339.
XX
KW predictor set; protein tyrosine kinase activity modulator;
KW protein tyrosine kinase pathway; protein tyrosine kinase; cytostatic;
```

```
XX
AC ABO75889;
DT 29-JUL-2004 (first entry)
DE Pseudomonas aeruginosa polypeptide #8064.
KW Bacterial infection; Pseudomonas aeruginosa infection; antibacterial.
XX
OS Pseudomonas aeruginosa.
XX
PN US6551795-B1.
XX
PD 22-APR-2003.
XX
PF 18-FEB-1999; 99US-00252991.
XX
PR 18-FEB-1998; 98US-0074788P.
PR 27-JUL-1998; 98US-0094190P.
XX
XX (GENO-) GENOME THERAPEUTICS CORP.
XX
XX Rubenfield MJ, Nolling J, Deloughery C, Bush D;
XX WPI; 2003-615309/58.
XX
XX N-PSDB; ABD09460.
XX
XX Novel isolated nucleic acid encoding Pseudomonas aeruginosa polypeptide,
XX useful as molecular targets for diagnostics, prophylaxis and treatment of
XX pathological conditions resulting from bacterial infection.
XX
XX Disclosure; SEQ ID NO 24635; 455pp; English.
XX
CC The invention relates to Pseudomonas aeruginosa polypeptides and the
CC polynucleotides encoding them. The sequences are useful in diagnosis and
CC therapy of pathological conditions, as molecular targets for diagnostics,
CC prophylaxis and treatment of pathological conditions resulting from a
CC bacterial infection, for evaluating a compound, such as a polypeptide,
CC for the ability to bind a P. aeruginosa nucleic acid, as components of
CC effective antibacterial targets, as targets for antibacterial drugs,
CC including anti-P. aeruginosa drugs, as templates for recombinant
CC production of P. aeruginosa-derived peptides or polypeptides, as target
CC components for diagnosis and/or treatment of P. aeruginosa-caused
CC infection, and in detection of P. aeruginosa sequences or other sequences
CC of Pseudomonas species using biochip technology. Sequences ABO67826-
CC ABO84396 represent P. aeruginosa polypeptides of the invention. Note: The
CC sequence data for this patent did not form part of the printed
CC specification but was obtained in electronic format from USPTO at
CC seqdata.uspto.gov/sequence.html
XX
SQ Sequence 800 AA;
Query Match 30.0%; Score 6; DB 7; Length 800;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      10 WRWLR 15
DB      487 WRWLR 492
|||||
|||||

RESULT 58
ADD14150
ID ADD14150 standard; protein; 880 AA.
XX
AC ADD14150;
XX
DT 01-JAN-2004 (first entry)
XX
DE Human src biomarker polypeptide SEQ ID NO:339.
XX
KW predictor set; protein tyrosine kinase activity modulator;
KW protein tyrosine kinase pathway; protein tyrosine kinase; cytostatic;
```


KW gene therapy; drug sensitivity; genetic profile; cancer; human.

XX Homo sapiens.

XX W02003062395-A2.

XX 31-JUL-2003.

XX 17-JAN-2003; 2003WO-US001981.

XX 18-JAN-2002; 2002US-0350061P.

XX (BRIM) BRISTOL-MYERS SQUIBB CO.

XX Huang F, Fairchild CR, Lee FY, Shaw P;

XX WPI; 2003-636735/60.

XX N-PSDE; ADD14752.

XX New polynucleotides and polypeptides for predicting the activity of compounds that interact with protein tyrosine kinases and/or protein tyrosine kinase pathways.

XX Claim 10; SEQ ID NO 339; 139pp; English.

XX The present invention describes a predictor set comprising a plurality of polynucleotides or polypeptides whose expression pattern is predictive of the response of cells to treatment with a compound that modulates protein tyrosine kinase activity or members of the protein tyrosine kinase pathway. Also described: (1) predicting whether a compound is capable of modulating the activity of cells, comprising obtaining a sample of cells, determining whether the cells express a plurality of markers, and correlating the expression of the markers to the compound's ability to modulate the activity of the cells; (2) a plurality of cell lines for identifying polynucleotides and polypeptides whose expression levels correlate with compound sensitivity or resistance of cells associated with a disease state; and (3) identifying polynucleotides and polypeptides that predict compound sensitivity or resistance of cells associated with a disease state, comprising subjecting the plurality of cell lines to one or more compounds, analysing the expression pattern of a microarray of polynucleotides or polypeptides, and selecting polynucleotides or polypeptides that predict the sensitivity or resistance of cells associated with a disease state by using the expression pattern of the microarray. The polynucleotides and polypeptides have cytostatic activities, and can be used in gene therapy. The polynucleotides and polypeptides are useful in predicting the activity of compounds that interact with protein tyrosine kinases and/or protein tyrosine kinase pathways. These may be used in determining drug sensitivity in patients to allow the development of individualized genetic profiles which aid in treating diseases and disorders (e.g. cancer) based on patient response at a molecular level. The present sequence is used in the exemplification of the present invention.

XX Sequence 880 AA;

XX Query Match 30.0%; Score 6; DB 7; Length 880;

XX Best Local Similarity 100.0%; Pred. No. 4.2e+02;

XX Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17

DB 457 WLRRYG 462

RESULT 59

AAW24250

ID AAW24250 standard; protein; 896 AA.

XX AAW24250;

XX AAW24250;

XX 12-OCT-2001 (first entry)

XX Human EST encoded protein SEQ ID NO: 1775.

XX

KW

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OS

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XX

XX

XX

XX

Human; sheep; pig; cow; fruit fly; yeast; hamster; macaque; horse; tomato; monkey; dog; sea urchin; expressed sequence tag; EST; diagnostics; forensic test; gene mapping; genetic disorder; biodiversity; gene therapy; nutrition.

Homo sapiens.

W0200154477-A2.

02-AUG-2001.

25-JAN-2001; 2001WO-US002687.

25-JAN-2000; 2000US-00491404.

17-JUL-2000; 2000US-00617746.

03-AUG-2000; 2000US-00631451.

15-SEP-2000; 2000US-00663870.

(HYSE-) HYSEQ INC.

Tang YT, Liu C, Zhou P, Qian XB, Wang Z, Chen R, Asundi V;

Cao Y, Drmanac RA, Zhang J, Werhman T;

WPI; 2001-476164/51.

N-PSDB; AAW98909.

Isolated polypeptide for treatment of diseases, diagnostics, raising antibodies and research use.

Claim 20; Page 1166-1168; 1275pp; English.

The present invention provides the protein and coding sequences of novel proteins from a variety of organisms, including human, dog, cat, horse, cow, pig, hamster, monkey, macaque, yeast, bacteria, fruit fly, sea urchin and tomato. These were derived from expressed sequence tags (ESTs) from the organism of interest. They can be used in diagnostics, forensics, gene mapping, identification of mutations, to assess biodiversity and for nutritional purposes. The present sequence is a protein of the invention

XX Sequence 896 AA;

XX Query Match 30.0%; Score 6; DB 4; Length 896;

XX Best Local Similarity 100.0%; Pred. No. 4.3e+02;

XX Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17

DB 687 WLRRYG 692

RESULT 60

AAG68296

ID AAG68296 standard; protein; 939 AA.

XX AAG68296;

XX 27-FEB-2002 (first entry)

XX Human semaphorin G-like NHP protein SEQ ID NO:16.

Human; semaphorin G; NHP; semaphorin homologue; therapeutic; diagnostic; pharmacogenomic; drug screening; clinical trial; physiological disorder; physiological disease; cosmetic; nutraceutical.

Homo sapiens.

W0200188133-A2.

22-NOV-2001.

14-MAY-2001; 2001WO-US015489.

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XX 18-MAY-2000; 2000US-0205274P.
PR 02-JUN-2000; 2000US-0208893P.
XX (LEXI-) LEXICON GENETICS INC.
XX
XX Walke DW, Wang X, Scoville J, Turner CA;
XX
XX WPI; 2002-055698/07.
DR N-PSDB; ABA04069.
XX
XX New nucleic acid molecule that encodes human semaphorin homolog, useful
PT in therapeutic, diagnostic and pharmacogenomic applications, in drug
PT screening and in clinical trial monitoring.
XX
XX Claim 1; Page 62-64; 103pp; English.
XX
XX ABA04062 to ABA04087 represent polynucleotide sequences (I) which encode
CC the human semaphorin homologous proteins (particularly similar to
CC semaphorin G) given in AAG68289 to AAG68312 (II). (I) and (II) are useful
CC in therapeutic, diagnostic and pharmacogenomic applications, in drug
CC screening, clinical trial monitoring, the treatment of physiological
CC disorder or diseases, and in cosmetic or nutraceutical applications. (I)
CC can be used for identifying coding sequences and mapping a unique gene to
CC a particular chromosome, to screen libraries, to isolate clones, to
CC prepare cloning and sequencing templates, as hybridisation probes for
CC screening libraries and assessing gene expression patterns, in
CC microarrays and other assay formats to screen collections of genetic
CC material from patients who have a particular medical condition, to
CC identify mutations associated with a particular disease, in a diagnostic
CC or prognostic assay, as antisense molecule, and as part of ribozyme
CC can also be used for detecting mutant proteins or inappropriately
CC expressed proteins for the diagnosis of disease, for screening for drugs
CC effective in the treatment of symptomatic or phenotypic manifestations of
CC perturbing the normal function of a human semaphorin homolog in the
CC body, and in the molecular mutagenesis/evolution of proteins that are at
CC least partially encoded by (I)
XX
XX Sequence 939 AA;
SQ
Query Match 30.0%; Score 6; DB 5; Length 939;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3 WSSWAL 8
Db 473 WSSWAL 478
RESULT 61
AAG68295
ID AAG68295 standard; protein; 954 AA.
XX
XX AAG68295;
XX
XX 27-FEB-2002 (first entry)
XX
XX Human semaphorin G-like NHP protein SEQ ID NO:14.
XX
XX Human; semaphorin G; NHP; semaphorin homologue; therapeutic; diagnostic;
KW pharmacogenomic; drug screening; clinical trial; physiological disorder;
KW physiological disease; cosmetic; nutraceutical.
XX
XX Homo sapiens.
XX
XX WO200188133-A2.
XX
XX 22-NOV-2001.
XX
XX 14-MAY-2001; 2001WO-US015489.
XX
XX 18-MAY-2000; 2000US-0205274P.
PR

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PR 02-JUN-2000; 2000US-0208893P.
XX
XX (LEXI-) LEXICON GENETICS INC.
XX
XX Walke DW, Wang X, Scoville J, Turner CA;
XX
XX WPI; 2002-055698/07.
DR N-PSDB; ABA04068.
XX
XX New nucleic acid molecule that encodes human semaphorin homolog, useful
PT in therapeutic, diagnostic and pharmacogenomic applications, in drug
PT screening and in clinical trial monitoring.
XX
XX Claim 1; Page 59-61; 103pp; English.
XX
XX ABA04062 to ABA04087 represent polynucleotide sequences (I) which encode
CC the human semaphorin homologous proteins (particularly similar to
CC semaphorin G) given in AAG68289 to AAG68312 (II). (I) and (II) are useful
CC in therapeutic, diagnostic and pharmacogenomic applications, in drug
CC screening, clinical trial monitoring, the treatment of physiological
CC disorder or diseases, and in cosmetic or nutraceutical applications. (I)
CC can be used for identifying coding sequences and mapping a unique gene to
CC a particular chromosome, to screen libraries, to isolate clones, to
CC prepare cloning and sequencing templates, as hybridisation probes for
CC screening libraries and assessing gene expression patterns, in
CC microarrays and other assay formats to screen collections of genetic
CC material from patients who have a particular medical condition, to
CC identify mutations associated with a particular disease, in a diagnostic
CC or prognostic assay, as antisense molecule, and as part of ribozyme
CC can also be used for detecting mutant proteins or inappropriately
CC expressed proteins for the diagnosis of disease, for screening for drugs
CC effective in the treatment of symptomatic or phenotypic manifestations of
CC perturbing the normal function of a human semaphorin homolog in the
CC body, and in the molecular mutagenesis/evolution of proteins that are at
CC least partially encoded by (I)
XX
XX Sequence 954 AA;
SQ
Query Match 30.0%; Score 6; DB 5; Length 954;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3 WSSWAL 8
Db 473 WSSWAL 478
RESULT 62
AAY94990
ID AAY94990 standard; protein; 999 AA.
XX
XX AAY94990;
XX
XX 19-JUN-2000 (first entry)
XX
XX Human secreted protein vb21_1, SEQ ID NO:20.
XX
XX Human; secreted protein; cancer; tumour; cardiovascular disorder;
KW blood disorder; haemophilia; autoimmune disease; diabetes; inflammation;
KW infection; fungal; bacterial; viral; HIV; allergy; arthritis;
KW neurodegenerative disease; asthma; contraceptive.
XX
XX Homo sapiens.
XX
XX WO200011015-A1.
XX
XX 02-MAR-2000.
XX
XX 24-AUG-1999; 99WO-US019351.
XX
XX 24-AUG-1998; 98US-0097638P.
PR 24-AUG-1998; 98US-0097659P.
PR

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PR 09-SEP-1998; 98US-0099618P.
 PR 28-SEP-1998; 98US-0102092P.
 PR 25-NOV-1998; 98US-0109978P.
 PR 23-DEC-1998; 98US-0113645P.
 PR 23-DEC-1998; 98US-0113646P.
 PR 23-AUG-1999; 99US-00379246.
 XX (ALPH-) ALPHAGENE INC.
 PA
 XX
 XX Valenzuela D, Yuan O, Hoffman H, Hall J, Rapiejko P;
 PI
 XX
 XX WPI; 2000-224657/19.
 DR
 XX
 XX New secreted or transmembrane proteins and polynucleotides encoding them,
 PT useful for treating neurodegenerative disorders, autoimmune diseases and
 PT cancer.
 PT
 XX
 XX Claim 29; Page 276-280; 357pp; English.
 PS
 XX
 XX The invention relates to 40 human secreted proteins (AA94981-Y95020),
 CC and cDNA sequences encoding them (AAA23423-A23462). The secreted proteins
 CC of the invention include those that are thought to be only partially
 CC secreted, i.e., transmembrane proteins. The proteins of the invention may
 CC exhibit one or more activities selected from the following: cytokine
 CC activity; cell proliferation; differentiation; immune modulation;
 CC haematopoiesis regulation; tissue growth activity; activin/inhibin
 CC activity; chemotactic/chemokinetic activity; haemostatic and thrombolytic
 CC activity; anti-inflammatory activity; and tumour inhibition activity. The
 CC proteins may be administered to patients as vaccines, and the nucleotides
 CC may be used as part of a gene therapy regime. Diseases or conditions that
 CC may be treated using the proteins or nucleotides of the invention include
 CC autoimmune diseases; genetic disorders; haemophilia; cardiovascular
 CC diseases; cancer; bacterial, fungal and viral infections, especially HIV;
 CC multiple sclerosis; rheumatoid arthritis; pulmonary inflammation;
 CC Guillain-Barre syndrome; insulin dependent diabetes mellitus; and
 CC allergic reactions such as asthma and anaemia. They may also be used for
 CC treating wounds, burns, ulcers, osteoporosis, osteoarthritis, periodontal
 CC diseases, Alzheimer's disease, Parkinson's disease, Huntington's disease
 CC and amyotrophic lateral sclerosis (ALS). Proteins with activin/inhibin
 CC activity may additionally be useful as contraceptives. Nucleic acid
 CC sequences of the invention may be used in chromosome mapping, and as a
 CC source of diagnostic primers and probes. The present sequence represents
 CC one of the 40 proteins of the invention
 XX
 SQ Sequence 999 AA;
 Query Match 30.0%; Score 6; DB 3; Length 999;
 Best Local Similarity 100.0%; Pred. No. 4.7e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 3 WSSWAL 8
 Db 518 WSSWAL 523
 |||||
 RESULT 63
 AAG68291
 ID AAG68291 standard; protein; 1034 AA.
 XX
 AC AAG68291;
 XX
 XX 27-FEB-2002 (first entry)
 DT
 XX
 XX Human semaphorin G-like NHP protein SEQ ID NO:6.
 DE
 XX
 XX Human; semaphorin G; NHP; semaphorin homologue; therapeutic; diagnostic;
 KW pharmacogenomic; drug screening; clinical trial; physiological disorder;
 KW physiological disease; cosmetic; nutraceutical.
 XX
 OS Homo sapiens.
 XX
 XX Key Location/Qualifiers
 FH Misc-difference 34
 FT

FT
 XX /note= "encoded by RAC"
 PN WO2001188133-A2.
 XX
 XX 22-NOV-2001.
 PD
 XX
 XX 14-MAY-2001; 2001WO-US015489.
 PF
 XX
 XX 18-MAY-2000; 2000US-0205274P.
 PR
 XX 02-JUN-2000; 2000US-0208893P.
 PR
 XX (LEXI-) LEXICON GENETICS INC.
 PA
 XX
 XX Walke DW, Wang X, Scoville J, Turner CA;
 PI
 XX
 XX WPI; 2002-055698/07.
 DR
 XX N-PSDB; ABA04064.
 XX
 XX New nucleic acid molecule that encodes human semaphorin homolog, useful
 PT in therapeutic, diagnostic and pharmacogenomic applications, in drug
 PT screening and in clinical trial monitoring.
 PT
 XX
 PS Claim 1; Page 44-47; 103pp; English.
 PS
 XX
 XX ABA04062 to ABA04087 represent polynucleotide sequences (I) which encode
 CC the human semaphorin homologous proteins (particularly similar to
 CC semaphorin G) given in AAG68289 to AAG68312 (II). (I) and (II) are useful
 CC in therapeutic, diagnostic and pharmacogenomic applications, in drug
 CC screening, clinical trial monitoring, the treatment of physiological
 CC disorder or diseases, and in cosmetic or nutraceutical applications. (I)
 CC can be used for identifying coding sequences and mapping a unique gene to
 CC a particular chromosome, to screen libraries, to isolate clones, to
 CC prepare cloning and sequencing templates, as hybridisation probes for
 CC screening libraries and assessing gene expression patterns, in
 CC microarrays and other assay formats to screen collections of genetic
 CC material from patients who have a particular medical condition, to
 CC identify mutations associated with a particular disease, in a diagnostic
 CC or prognostic assay, as antisense molecule, and as part of ribozyme
 CC and/or triple helix sequences that are useful for gene regulation. (I)
 CC can also be used for detecting mutant proteins or inappropriately
 CC expressed proteins for the diagnosis of disease, for screening for drugs
 CC effective in the treatment of symptomatic or phenotypic manifestations of
 CC perturbing the normal function of a human semaphorin homologue in the
 CC body, and in the molecular mutagenesis/evolution of proteins that are at
 CC least partially encoded by (I)
 XX
 SQ Sequence 1034 AA;
 Query Match 30.0%; Score 6; DB 5; Length 1034;
 Best Local Similarity 100.0%; Pred. No. 4.8e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 3 WSSWAL 8
 Db 568 WSSWAL 573
 |||||
 RESULT 64
 AAG68289
 ID AAG68289 standard; protein; 1049 AA.
 XX
 AC AAG68289;
 XX
 XX 27-FEB-2002 (first entry)
 DT
 XX
 XX Human semaphorin G-like NHP protein SEQ ID NO:2.
 DE
 XX
 XX Human; semaphorin G; NHP; semaphorin homologue; therapeutic; diagnostic;
 KW pharmacogenomic; drug screening; clinical trial; physiological disorder;
 KW physiological disease; cosmetic; nutraceutical.
 XX
 OS Homo sapiens.
 XX
 XX

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FH Key          Location/Qualifiers
FT Misc-difference 34
FT /note= "encoded by RAC"
XX
XX WO200188133-A2.
XX
XX 22-NOV-2001.
XX
XX 14-MAY-2001; 2001WO-US015489.
XX
XX 18-MAY-2000; 2000US-0205274P.
XX 02-JUN-2000; 2000US-0208893P.
XX
XX (LEXI-) LEXICON GENETICS INC.
XX
XX Walke DW, Wang X, Scoville J, Turner CA;
XX WPI; 2002-055698/07.
XX N-PSDB; ABA04062.
XX
XX New nucleic acid molecule that encodes human semaphorin homolog, useful
XX in therapeutic, diagnostic and pharmacogenomic applications, in drug
XX screening and in clinical trial monitoring.
XX
XX Claim 1; Page 37-39; 103pp; English.
XX
XX ABA04062 to ABA04087 represent polynucleotide sequences (I) which encode
XX the human semaphorin homologous proteins (particularly similar to
XX semaphorin G) given in AAG68289 to AAG68312 (II). (I) and (II) are useful
XX in therapeutic, diagnostic and pharmacogenomic applications, in drug
XX screening, clinical trial monitoring, the treatment of physiological
XX disorder or diseases, and in cosmetic or nutraceutical applications. (I)
XX can be used for identifying coding sequences and mapping a unique gene to
XX a particular chromosome, to screen libraries, to isolate clones, to
XX prepare cloning and sequencing templates, as hybridisation probes for
XX screening libraries and assessing gene expression patterns, in
XX microarrays and other assay formats to screen collections of genetic
XX material from patients who have a particular medical condition, to
XX identify mutations associated with a particular disease, in a diagnostic
XX or prognostic assay, as antisense molecule, and as part of ribozyme
XX and/or triple helix sequences that are useful for gene regulation. (I)
XX can also be used for detecting mutant proteins or inappropriately
XX expressed proteins for the diagnosis of disease, for screening for drugs
XX effective in the treatment of symptomatic or phenotypic manifestations of
XX perturbing the normal function of a human semaphorin homologue in the
XX body, and in the molecular mutagenesis/evolution of proteins that are at
XX least partially encoded by (I)
XX
XX Sequence 1049 AA;
XX
XX Query Match          30.0%; Score 6; DB 5; Length 1049;
XX Best Local Similarity 100.0%; Pred. No. 4.9e+02;
XX Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 3 WSSWAL 8
XX |||||
XX 568 WSSWAL 573
XX
XX Db
XX
XX RESULT 65
XX AAG68292
XX ID AAG68292 standard; protein; 1078 AA.
XX
XX AC AAG68292;
XX
XX 27-FEB-2002 (first entry)
XX
XX Human semaphorin G-like NHP protein SEQ ID NO:8.
XX
XX Human; semaphorin G; NHP; semaphorin homologue; therapeutic; diagnostic;
XX pharmacogenomic; drug screening; clinical trial; physiological disorder;
XX physiological disease; cosmetic; nutraceutical.
XX

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OS Homo sapiens.
XX
XX Key          Location/Qualifiers
FT Misc-difference 78
FT /note= "encoded by RAC"
XX
XX WO200188133-A2.
XX
XX 22-NOV-2001.
XX
XX 14-MAY-2001; 2001WO-US015489.
XX
XX 18-MAY-2000; 2000US-0205274P.
XX 02-JUN-2000; 2000US-0208893P.
XX
XX (LEXI-) LEXICON GENETICS INC.
XX
XX Walke DW, Wang X, Scoville J, Turner CA;
XX WPI; 2002-055698/07.
XX N-PSDB; ABA04065.
XX
XX New nucleic acid molecule that encodes human semaphorin homolog, useful
XX in therapeutic, diagnostic and pharmacogenomic applications, in drug
XX screening and in clinical trial monitoring.
XX
XX Claim 1; Page 48-50; 103pp; English.
XX
XX ABA04062 to ABA04087 represent polynucleotide sequences (I) which encode
XX the human semaphorin homologous proteins (particularly similar to
XX semaphorin G) given in AAG68289 to AAG68312 (II). (I) and (II) are useful
XX in therapeutic, diagnostic and pharmacogenomic applications, in drug
XX screening, clinical trial monitoring, the treatment of physiological
XX disorder or diseases, and in cosmetic or nutraceutical applications. (I)
XX can be used for identifying coding sequences and mapping a unique gene to
XX a particular chromosome, to screen libraries, to isolate clones, to
XX prepare cloning and sequencing templates, as hybridisation probes for
XX screening libraries and assessing gene expression patterns, in
XX microarrays and other assay formats to screen collections of genetic
XX material from patients who have a particular medical condition, to
XX identify mutations associated with a particular disease, in a diagnostic
XX or prognostic assay, as antisense molecule, and as part of ribozyme
XX and/or triple helix sequences that are useful for gene regulation. (I)
XX can also be used for detecting mutant proteins or inappropriately
XX expressed proteins for the diagnosis of disease, for screening for drugs
XX effective in the treatment of symptomatic or phenotypic manifestations of
XX perturbing the normal function of a human semaphorin homologue in the
XX body, and in the molecular mutagenesis/evolution of proteins that are at
XX least partially encoded by (I)
XX
XX Sequence 1078 AA;
XX
XX Query Match          30.0%; Score 6; DB 5; Length 1078;
XX Best Local Similarity 100.0%; Pred. No. 5e+02;
XX Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX
XX QY 3 WSSWAL 8
XX |||||
XX 612 WSSWAL 617
XX
XX Db
XX
XX RESULT 66
XX AAY99369
XX ID AAY99369 standard; protein; 1089 AA.
XX
XX AC AAY99369;
XX
XX 08-AUG-2000 (first entry)
XX
XX Human PRO1249 (UN0632) amino acid sequence SEQ ID NO:102.
XX
XX Human; PRO polypeptide; membrane bound protein; receptor; diagnosis;
XX transmembrane; secretion; immunoadhesion; pharmaceutical; screening.
XX

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```
XX OS Homo sapiens.
XX PN WO200012708-A2.
XX PD 09-MAR-2000.
XX PF 01-SEP-1999; 99WO-US020111.
XX PR 01-SEP-1998; 98US-0098716P.
PR 01-SEP-1998; 98US-0098749P.
PR 01-SEP-1998; 98US-0098750P.
PR 02-SEP-1998; 98US-0098803P.
PR 02-SEP-1998; 98US-0098821P.
PR 02-SEP-1998; 98US-0098843P.
PR 03-SEP-1998; 98US-0098936P.
PR 03-SEP-1998; 98US-0099536P.
PR 03-SEP-1998; 98US-0099596P.
PR 03-SEP-1998; 98US-0099598P.
PR 03-SEP-1998; 98US-0099602P.
PR 03-SEP-1998; 98US-0099642P.
PR 10-SEP-1998; 98US-0099741P.
PR 10-SEP-1998; 98US-0099754P.
PR 10-SEP-1998; 98US-0099763P.
PR 10-SEP-1998; 98US-0099792P.
PR 10-SEP-1998; 98US-0099808P.
PR 10-SEP-1998; 98US-0099812P.
PR 10-SEP-1998; 98US-0099815P.
PR 10-SEP-1998; 98US-0099816P.
PR 15-SEP-1998; 98US-0100385P.
PR 15-SEP-1998; 98US-0100388P.
PR 15-SEP-1998; 98US-0100390P.
PR 16-SEP-1998; 98US-0100584P.
PR 16-SEP-1998; 98US-0100627P.
PR 16-SEP-1998; 98US-0100661P.
PR 16-SEP-1998; 98US-0100662P.
PR 16-SEP-1998; 98US-0100664P.
PR 17-SEP-1998; 98US-0100683P.
PR 17-SEP-1998; 98US-0100684P.
PR 17-SEP-1998; 98US-0100710P.
PR 17-SEP-1998; 98US-0100711P.
PR 17-SEP-1998; 98US-0100919P.
PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100848P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
PR 18-SEP-1998; 98US-0101068P.
PR 18-SEP-1998; 98US-0101071P.
PR 22-SEP-1998; 98US-0101279P.
PR 23-SEP-1998; 98US-0101471P.
PR 23-SEP-1998; 98US-0101472P.
PR 23-SEP-1998; 98US-0101474P.
PR 23-SEP-1998; 98US-0101475P.
PR 23-SEP-1998; 98US-0101476P.
PR 23-SEP-1998; 98US-0101477P.
PR 24-SEP-1998; 98US-0101738P.
PR 24-SEP-1998; 98US-0101739P.
PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101915P.
PR 24-SEP-1998; 98US-0101916P.
PR 29-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102307P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102484P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
PR 02-OCT-1998; 98US-0102965P.
PR 06-OCT-1998; 98US-0103258P.
PR 06-OCT-1998; 98US-0103449P.
PR 07-OCT-1998; 98US-0103314P.
PR 07-OCT-1998; 98US-0103315P.
PR 07-OCT-1998; 98US-0103328P.
PR 07-OCT-1998; 98US-0103395P.
PR 07-OCT-1998; 98US-0103396P.
PR 08-OCT-1998; 98US-0103401P.
PR 08-OCT-1998; 98US-0103633P.
PR 08-OCT-1998; 98US-0103678P.
PR 08-OCT-1998; 98US-0103679P.
PR 08-OCT-1998; 98US-0103711P.
PR 14-OCT-1998; 98US-0104257P.
PR 20-OCT-1998; 98US-0104987P.
PR 20-OCT-1998; 98US-0105000P.
PR 20-OCT-1998; 98US-0105002P.
PR 21-OCT-1998; 98US-0105104P.
PR 22-OCT-1998; 98US-0105169P.
PR 22-OCT-1998; 98US-0105266P.
PR 26-OCT-1998; 98US-0105693P.
PR 26-OCT-1998; 98US-0105694P.
PR 27-OCT-1998; 98US-0105807P.
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XX (GETH ) GENENTECH INC.
XX Baker K, Goddard A, Gurney AL, Smith V, Watanabe CK, Wood WI;
XX WPI; 2000-237871/20.
XX N-PSDB; AAA37051.
XX New mammalian DNA sequences encoding transmembrane, receptor or secreted
PT PRO polypeptides, useful for screening of potential peptide or small
PT molecule inhibitors of the relevant receptor/ligand interactions.
XX Claim 12; Fig 60; 773pp; English.
XX AAA37022 to AAA37144 encode the new isolated human transmembrane,
CC
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PR 20-DEC-2000; 2000WO-US034956.
XX (GETH ) GENENTECH INC.
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XX Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2001-602746/68.
DR N-PSDB; AAS46057.
XX
XX Novel nucleic acids encoding PRO polypeptides, used to diagnose the
PT presence of tumors, such as prostate and breast tumors, in mammals and to
PT screen for modulators of the compounds.
XX
XX Claim 11; Fig 266; 774pp; English.
XX
XX Sequences AU29024-AU29328 represent PRO polypeptides of the invention.
CC The PRO polypeptides and their associated nucleic acids can be used to
CC detect the presence of a tumour in a mammal by comparing the level of
CC expression of a PRO polypeptide in a test sample of cells from the animal
CC and a control sample of normal cells, whereby a higher level of
CC expression in the test sample indicates the presence of a tumour in the
CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
CC and rabbits but are preferably human. The polypeptides can be used to
CC stimulate tumour necrosis factor (TNF) alpha release from human blood,
CC when contacted with it. A specific polypeptide can be used to stimulate
CC the proliferation or differentiation of chondrocyte cells. The PRO
CC proteins can be used to determine the presence of tumours and also
CC susceptibility to tumour development, particularly adrenal, lung, colon,
CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
CC can be used for genetic analysis of individuals with genetic disorders
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XX AC ABU58532;
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XX 15-APR-2003 (first entry)
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XX DE Human PRO polypeptide #133.
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XX KW Human; PRO; cytostatic; tumour; cancer; breast; lung; stomach; liver;
KW dog; cat; cow; horse; sheep; pig; goat; rabbit; ADEPT;
KW antibody-dependent enzyme mediated prodrug therapy.
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XX OS Homo sapiens.
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XX FN US2003027272-A1.
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XX PD 06-FEB-2003.
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XX PF 21-JUN-2002; 2002US-00176492.
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XX PR 18-SEP-1997; 97US-0059263P.
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KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
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Query Match 30.0%; Score 6; DB 6; Length 1089;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 WLLRYG 17
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Db 687 WLLRYG 692

RESULT 72
ABR66269
ID ABR66269 standard; protein; 1089 AA.
XX AC ABR66269;
XX DT 05-AUG-2003 (first entry)
XX DE Human secreted polypeptide PRO1249, SEQ ID NO:266.
XX KW Human; PRO; secreted protein; transmembrane protein;
    extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
    chondrocyte; proliferation; differentiation; cartilage disorder;
    bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
    adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
    liver; drug screening; transgenic animal; genetic analysis;
    antiarthritic; vulnerary; gene therapy.
XX OS Homo sapiens.
XX PN US2003027278-A1.
XX PD 06-FEB-2003.
XX PF 21-JUN-2002; 2002US-00176987.
XX PR 18-SEP-1997; 97US-0059263P.
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Query Match 30.0%; Score 6; DB 6; Length 1089;
Best Local Similarity 100.0%; Pred. No. 5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 WLRRYG 17
Db 687 WLRRYG 692

RESULT 73
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ID ABR65659 standard; protein; 1089 AA.
XX AC ABR65659;
XX DT 05-AUG-2003 (first entry)
XX DE Human secreted polypeptide PRO1249, SEQ ID NO:266.
XX KW Human; PRO; secreted protein; transmembrane protein;
KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;
KW antiarthritic; vulnery; gene therapy.
XX KW
XX OS Homo sapiens.
XX PN US2003036159-A1.
XX PD 20-FEB-2003.
XX PE 02-JUL-2002; 2002US-00188773.
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Query Match 30.0%; Score 6; DB 6; Length 1089;
Best Local Similarity 100.0%; Pred. No. 5e+02; Mismatches 0; Indels 0; Gaps
Matches 6; Conservative 0;

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ID ABU99599 standard; protein; 1089 AA.				
XX ABU99599;				
XX 09-AUG-2003 (first entry)				
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DE Human; secreted and transmembrane protein; PRO; TNF-alpha;				
KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;				
KM tissue typing.				
XX Homo sapiens.				
XX US2003040070-A1.				
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XX 27-JUN-2002; 2002US-00184627.				
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56	6	30.0	1089	14	US-10-176-749-266	Sequence 266, App
57	6	30.0	1089	14	US-10-176-914-266	Sequence 266, App
58	6	30.0	1089	14	US-10-176-915-266	Sequence 266, App
59	6	30.0	1089	14	US-10-173-706-266	Sequence 266, App
60	6	30.0	1089	14	US-10-173-738-266	Sequence 266, App
61	6	30.0	1089	14	US-10-175-752-266	Sequence 266, App
62	6	30.0	1089	14	US-10-176-482-266	Sequence 266, App
63	6	30.0	1089	14	US-10-176-757-266	Sequence 266, App
64	6	30.0	1089	14	US-10-176-913-266	Sequence 266, App
65	6	30.0	1089	14	US-10-180-552-266	Sequence 266, App
66	6	30.0	1089	14	US-10-180-557-266	Sequence 266, App
67	6	30.0	1089	14	US-10-173-700-266	Sequence 266, App
68	6	30.0	1089	14	US-10-174-572-266	Sequence 266, App
69	6	30.0	1089	14	US-10-174-579-266	Sequence 266, App
70	6	30.0	1089	14	US-10-174-582-266	Sequence 266, App
71	6	30.0	1089	14	US-10-174-588-266	Sequence 266, App
72	6	30.0	1089	14	US-10-175-739-266	Sequence 266, App
73	6	30.0	1089	14	US-10-175-740-266	Sequence 266, App
74	6	30.0	1089	14	US-10-175-743-266	Sequence 266, App
75	6	30.0	1089	14	US-10-176-488-266	Sequence 266, App
76	6	30.0	1089	14	US-10-176-488-266	Sequence 266, App
77	6	30.0	1089	14	US-10-176-488-266	Sequence 266, App
78	6	30.0	1089	14	US-10-176-747-266	Sequence 266, App
79	6	30.0	1089	14	US-10-176-750-266	Sequence 266, App
80	6	30.0	1089	14	US-10-176-985-266	Sequence 266, App
81	6	30.0	1089	14	US-10-176-987-266	Sequence 266, App
82	6	30.0	1089	14	US-10-176-993-266	Sequence 266, App
83	6	30.0	1089	14	US-10-184-658-266	Sequence 266, App
84	6	30.0	1089	14	US-10-176-991-266	Sequence 266, App
85	6	30.0	1089	14	US-10-173-695-266	Sequence 266, App
86	6	30.0	1089	14	US-10-173-697-266	Sequence 266, App

87 6 30.0 1089 14 US-10-173-705-266 Sequence 266, App
88 6 30.0 1089 14 US-10-174-576-266 Sequence 266, App
89 6 30.0 1089 14 US-10-174-585-266 Sequence 266, App
90 6 30.0 1089 14 US-10-174-586-266 Sequence 266, App
91 6 30.0 1089 14 US-10-175-747-266 Sequence 266, App
92 6 30.0 1089 14 US-10-176-481-266 Sequence 266, App
93 6 30.0 1089 14 US-10-176-485-266 Sequence 266, App
94 6 30.0 1089 14 US-10-176-487-266 Sequence 266, App
95 6 30.0 1089 14 US-10-176-493-266 Sequence 266, App
96 6 30.0 1089 14 US-10-176-756-266 Sequence 266, App
97 6 30.0 1089 14 US-10-176-911-266 Sequence 266, App
98 6 30.0 1089 14 US-10-176-919-266 Sequence 266, App
99 6 30.0 1089 14 US-10-176-925-266 Sequence 266, App
100 6 30.0 1089 14 US-10-176-978-266 Sequence 266, App

ALIGNMENTS

RESULT 1
US-10-066-965A-2
; Sequence 2, Application US/10066965A
; Publication No. US20030143626A1
; GENERAL INFORMATION:
; APPLICANT: COLAS, PIERRE
; APPLICANT: BRENT, ROGER
; APPLICANT: COHEN, BARAK A.
; TITLE OF INVENTION: TARGETED MODIFICATION OF INTRACELLULAR COMPOUNDS
; FILE REFERENCE: EGYPT 3.0-015
; CURRENT APPLICATION NUMBER: US/10/066,965A
; CURRENT FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 2
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-066-965A-2

Query Match 100.0%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4e-13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVSSWALGWRWLRYYGWM 20
| | | | | | | | | | | | | | | | | | | | | |
Db 1 QVSSWALGWRWLRYYGWM 20

RESULT 2
US-10-066-965A-8
; Sequence 8, Application US/10066965A
; Publication No. US20030143626A1
; GENERAL INFORMATION:
; APPLICANT: COLAS, PIERRE
; APPLICANT: BRENT, ROGER
; APPLICANT: COHEN, BARAK A.
; TITLE OF INVENTION: TARGETED MODIFICATION OF INTRACELLULAR COMPOUNDS
; FILE REFERENCE: EGYPT 3.0-015
; CURRENT APPLICATION NUMBER: US/10/066,965A
; CURRENT FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 8
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-066-965A-8

Query Match 100.0%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4e-13;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVSSWALGWRWLRYYGWM 20
| | | | | | | | | | | | | | | | | | | | | |
Db 1 QVSSWALGWRWLRYYGWM 20

RESULT 3
US-10-162-538-12
; Sequence 12, Application US/10162538
; Publication No. US20030113749A1
; GENERAL INFORMATION:
; APPLICANT: Brent, Roger
; McCoy, John M.
; Jessen, Timm H.
; Xu, Changxing Wilson
; TITLE OF INVENTION: INTERACTION TRAP SYSTEMS FOR DETECTING
; PROTEIN
; INTERACTIONS
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/162,538
; FILING DATE: 04-Jun-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/630,052
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/504,538
; FILING DATE: July 20, 1995
; APPLICATION NUMBER: 08/278,082
; FILING DATE: July 20, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Karen F. Lech
; REGISTRATION NUMBER: 35,238
; REFERENCE/DOCKET NUMBER: 00786/311001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: amino acid
; STRANDEDNESS: No. US20030113749A1 Relevant
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-10-162-538-12

Query Match 65.0%; Score 13; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 WALGWRWLRYYGW 18
| | | | | | | | | | | | | | | | | | | | | |
Db 6 WALGWRWLRYYGW 18

RESULT 4

US-10-066-965A-1
; Sequence 1, Application US/10066965A
; Publication No. US20030143626A1
; GENERAL INFORMATION:
; APPLICANT: COLAS, PIERRE
; APPLICANT: BRENT, ROGER
; APPLICANT: COHEN, BARAK A.
; TITLE OF INVENTION: TARGETED MODIFICATION OF INTRACELLULAR COMPOUNDS
; FILE REFERENCE: EGYPT 3.0-015
; CURRENT APPLICATION NUMBER: US/10/066,965A
; CURRENT FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-066-965A-1

Query Match 65.0%; Score 13; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 WALGWRWLRRYGW 18
|||||
Db 6 WALGWRWLRRYGW 18

RESULT 5
US-10-066-965A-7
; Sequence 7, Application US/10066965A
; Publication No. US20030143626A1
; GENERAL INFORMATION:
; APPLICANT: COLAS, PIERRE
; APPLICANT: BRENT, ROGER
; APPLICANT: COHEN, BARAK A.
; TITLE OF INVENTION: TARGETED MODIFICATION OF INTRACELLULAR COMPOUNDS
; FILE REFERENCE: EGYPT 3.0-015
; CURRENT APPLICATION NUMBER: US/10/066,965A
; CURRENT FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-10-066-965A-7

Query Match 65.0%; Score 13; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.9e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 WALGWRWLRRYGW 18
|||||
Db 6 WALGWRWLRRYGW 18

RESULT 6
US-10-280-066-115
; Sequence 115, Application US/10280066
; Publication No. US20030180718A1
; GENERAL INFORMATION:
; APPLICANT: Pillutla, Renuka C.
; APPLICANT: Brissette, Renee
; APPLICANT: Spruyt, Michael
; APPLICANT: Dedova, Olga
; APPLICANT: Blume, Arthur J.

US-10-066-965A-1
; APPLICANT: Prendergast, John
; APPLICANT: Goldstein, Neil I.
; TITLE OF INVENTION: TARGET SPECIFIC SCREENING AND ITS USE FOR IDENTIFYING TARGET BIND
; FILE REFERENCE: 2598-4009US1
; CURRENT APPLICATION NUMBER: US/10/280,066
; CURRENT FILING DATE: 2002-10-24
; PRIOR APPLICATION NUMBER: 60/345,471
; PRIOR FILING DATE: 2001-10-24
; NUMBER OF SEQ ID NOS: 537
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 115
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Escherichia coli
; FEATURE:
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: DGI-2-20R-3-D10
US-10-280-066-115

Query Match 30.0%; Score 6; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QVWSSW 6
|||||
Db 4 QVWSSW 9

RESULT 7
US-10-437-963-163374
; Sequence 163374, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 163374
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_62377C.1.pap
US-10-437-963-163374

Query Match 30.0%; Score 6; DB 16; Length 35;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
|||||
Db 30 SSWALG 35

RESULT 8
US-10-437-963-136125
; Sequence 136125, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei

```
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 136125
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_37734C.1.1.pep
US-10-437-963-136125

Query Match      30.0%; Score 6; DB 16; Length 65;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 MWLRR 15
Db 35 MWLRR 40

RESULT 9
US-10-424-599-252446
; Sequence 252446, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 252446
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_69988C.1.1.pep
US-10-424-599-252446

Query Match      30.0%; Score 6; DB 15; Length 74;
Best Local Similarity 100.0%; Pred. No. 64;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 GWEWLR 14
Db 61 GWEWLR 66

RESULT 10
US-09-867-550-1614
; Sequence 1614, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
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; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: US98 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1614
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-867-550-1614

Query Match      30.0%; Score 6; DB 9; Length 112;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
Db 4 WLRRYG 9

RESULT 11
US-10-276-774-1454
; Sequence 1454, Application US/10276774
; Publication No. US20040053245A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; APPLICANT: Tang, Y, Tom et al
; TITLE OF INVENTION: No. US20040053245A1 Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-030
; CURRENT APPLICATION NUMBER: US/10/276,774
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 2700
; SOFTWARE: Custom
; SEQ ID NO 1454
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-276-774-1454

Query Match      30.0%; Score 6; DB 15; Length 143;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WSSWAL 8
Db 89 WSSWAL 94

RESULT 12
US-10-017-161-1740
; Sequence 1740, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1740
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-10-017-161-1740

Query Match 30.0%; Score 6; DB 14; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 SWALGW 10
Db 57 SWALGW 62
|||||

RESULT 13

US-10-292-798-1396
; Sequence 1396, Application US/10292798
; Publication No. US20030235833A1
; GENERAL INFORMATION:
; APPLICANT: SUMA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 084335/166
; CURRENT APPLICATION NUMBER: US/10/292,798
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: 10/017,161
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1396
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-292-798-1396

Query Match 30.0%; Score 6; DB 14; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 SWALGW 10
Db 57 SWALGW 62
|||||

RESULT 14

US-10-425-114-43111
; Sequence 43111, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 43111
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: unsure at all Xaa locations
US-10-425-114-43111

Query Match 30.0%; Score 6; DB 15; Length 180;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LRRYGW 18
Db 72 LRRYGW 77
|||||

RESULT 15

US-10-425-114-40080
; Sequence 40080, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 40080
; LENGTH: 196
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 700564722_FLI.pep
US-10-425-114-40080

Query Match 30.0%; Score 6; DB 15; Length 196;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 13 LRRYGW 18
Db 88 LRRYGW 93
|||||

RESULT 16

US-10-437-963-199236
; Sequence 199236, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Soukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 199236
; LENGTH: 202
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(202)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_9481C.1.pep
US-10-437-963-199236

Query Match 30.0%; Score 6; DB 16; Length 202;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
| | | | |
Db 178 LGWRWL 183

RESULT 17

US-10-437-963-134324
; Sequence 134324, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 134324
; LENGTH: 240
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_36109C.1.pap
US-10-437-963-134324

Query Match 30.0%; Score 6; DB 16; Length 240;

Best Local Similarity 100.0%; Pred. No. 1.5e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 WRWLRR 15
| | | | |
Db 219 WRWLRR 224

RESULT 18

US-10-437-963-199246
; Sequence 199246, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 199246
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(243)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_9482C.1.pap
US-10-437-963-199246

Query Match 30.0%; Score 6; DB 16; Length 243;

Best Local Similarity 100.0%; Pred. No. 1.5e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
| | | | |
Db 224 LGWRWL 229

RESULT 19

US-09-247-890-16
; Sequence 16, Application US/09247890
; Publication No. US20020198162A1
; GENERAL INFORMATION:
; APPLICANT: Punnonen, Juha
; APPLICANT: Bass, Steven H.
; APPLICANT: Whalen, Robert Gerald
; APPLICANT: Howard, Russell
; APPLICANT: Stemmer, Willem P.C.
; APPLICANT: Maxygen, Inc.
; TITLE OF INVENTION: Antigen Library Immunization
; FILE REFERENCE: 018097-028710US
; CURRENT APPLICATION NUMBER: US/09/247,890
; CURRENT FILING DATE: 1999-02-10
; EARLIER APPLICATION NUMBER: US 60/074,294
; EARLIER FILING DATE: 1998-02-11
; EARLIER APPLICATION NUMBER: US 60/105,509
; EARLIER FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 16
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Woodchuck hepatitis B virus
US-09-247-890-16

Query Match 30.0%; Score 6; DB 9; Length 282;

Best Local Similarity 100.0%; Pred. No. 1.7e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 SSWALG 9
| | | | |
Db 210 SSWALG 215

RESULT 20

US-10-383-317-16
; Sequence 16, Application US/10383317
; Publication No. US20040001849A1
; GENERAL INFORMATION:
; APPLICANT: Punnonen, Juha
; APPLICANT: Bass, Steven H.
; APPLICANT: Whalen, Robert Gerald
; APPLICANT: Howard, Russell
; APPLICANT: Stemmer, Willem P.C.
; APPLICANT: Maxygen, Inc.
; TITLE OF INVENTION: Antigen Library Immunization
; FILE REFERENCE: 018097-028710US
; CURRENT APPLICATION NUMBER: US/10/383,317
; CURRENT FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: US/09/247,890
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/074,294
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-11
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/105,509
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-10-23
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 16
; LENGTH: 282
; TYPE: PRT
; ORGANISM: Woodchuck hepatitis B virus


```
US-10-393-317-16
Query Match      30.0%; Score 6; DB 15; Length 282;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 SSWALG 9
Db      210 SSWALG 215
      |||||

RESULT 21
US-09-764-875-621
; Sequence 621, Application US/09764875
; Publication No. US20040018969A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P0202
; CURRENT APPLICATION NUMBER: US/09/764,875
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1249
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 621
; LENGTH: 305
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (29)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (157)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (205)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (275)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (290)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (293)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-09-764-875-621

Query Match      30.0%; Score 6; DB 11; Length 305;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
Db      216 WLRRYG 221
      |||||

RESULT 22
US-10-425-114-37645
; Sequence 37645, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
```

```
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 37645
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: 700264190_FLI.pep
US-10-425-114-37645

Query Match      30.0%; Score 6; DB 15; Length 324;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 SSWALG 9
Db      52 SSWALG 57
      |||||

RESULT 23
US-09-812-862-2
; Sequence 2, Application US/09812862
; Patent No. US20020035081A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R.
; TITLE OF INVENTION: INHIBITION OF HEPATITIS B REPLICATION
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/812,862
; FILING DATE: 20-Mar-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/667,073
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/492,489
; FILING DATE: 20-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Clark, Paul T.
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00786/282001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 346 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-812-862-2

Query Match      30.0%; Score 6; DB 9; Length 346;
Best Local Similarity 100.0%; Pred. No. 2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 SSWALG 9
      |||||
```

```
Db      274 SSWALG 279

RESULT 24
US-10-343-650A-4
; Sequence 4, Application US/10343650A
; Publication No. US20040067499A1
; GENERAL INFORMATION:
; APPLICANT: HAGA, TATSUYA
; TITLE OF INVENTION: NOVEL G-PROTEIN COUPLED RECEPTOR
; FILE REFERENCE: 31671-186347
; CURRENT APPLICATION NUMBER: US/10/343,650A
; CURRENT FILING DATE: 2003-07-21
; PRIOR APPLICATION NUMBER: JP 2000/237818
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: JP 2001/34434
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 694
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 368
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-343-650A-4

Query Match      30.0%; Score 6; DB 15; Length 368;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 WLRRYG 17
      |||||
Db      86 WLRRYG 91

RESULT 25
US-10-424-599-160000
; Sequence 160000, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 160000
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(369)
; OTHER INFORMATION: unsure at all xaa locations
; OTHER INFORMATION: Clone ID: PAT_MRT3847_11549C.1.pep
US-10-424-599-160000

Query Match      30.0%; Score 6; DB 15; Length 369;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      13 LRRYGW 18
      |||||
Db      268 LRRYGW 273

RESULT 26
US-10-282-122A-47856
; Sequence 47856, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Chisen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47856
; LENGTH: 396
; TYPE: PRT
; ORGANISM: Burkholderia cepacia
US-10-282-122A-47856

Query Match      30.0%; Score 6; DB 15; Length 396;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 ALGWRW 12
      |||||
Db      75 ALGWRW 80

RESULT 27
US-10-369-493-4601
; Sequence 4601, Application US/10369493
; Publication No. US2003023675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
```

; NUMBER OF SEQ ID NOS: 47374

; SEQ ID NO 4601

; LENGTH: 400

; TYPE: PRT

; ORGANISM: Burkholderia fungorum

US-10-369-493-4601

Query Match 30.0%; Score 6; DB 14; Length 400;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13

Db 135 LGWRWL 140

RESULT 28

US-10-190-115-111

; Sequence 111, Application US/10190115

; Publication No. US20030207394A1

; GENERAL INFORMATION:

; APPLICANT: Alsobrook, John P. II

; APPLICANT: Boldog, Ferenc L.

; APPLICANT: Burges, Catherine E.

; APPLICANT: Casman, Stacie J.

; APPLICANT: Grosse, William M.

; APPLICANT: Gusev, Vladimir Y.

; APPLICANT: Ji, Weizhen

; APPLICANT: Lepley, Denise M.

; APPLICANT: Liu, Xiaohong

; APPLICANT: Mezik, Amanda J.

; APPLICANT: Padigaru, Muralidhara

; APPLICANT: Patturajan, Meera

; APPLICANT: Rastelli, Luca

; APPLICANT: Shen, Lei

; APPLICANT: Shenoy, Suresh G.

; APPLICANT: Shimkets, Richard A.

; APPLICANT: Spaderna, Steven K.

; APPLICANT: Spytek, Kimberly A.

; APPLICANT: Szekeres, Edward S. Jr.

; APPLICANT: Taupier, Raymond J. Jr.

; APPLICANT: Tchernev, Velizar T.

; APPLICANT: Zerhusen, Bryan D.

; APPLICANT: Voss, Edward Z.

; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME

; FILE REFERENCE: 21402-050 CIP

; CURRENT APPLICATION NUMBER: US/10/190,115

; CURRENT FILING DATE: 2003-02-10

; PRIOR APPLICATION NUMBER: 60/303,168

; PRIOR FILING DATE: 2001-07-05

; PRIOR APPLICATION NUMBER: 60/368,996

; PRIOR FILING DATE: 2002-04-01

; PRIOR APPLICATION NUMBER: 60/386,816

; PRIOR FILING DATE: 2002-06-07

; PRIOR APPLICATION NUMBER: 60/215,854

; PRIOR FILING DATE: 2000-07-03

; PRIOR APPLICATION NUMBER: 60/215,856

; PRIOR FILING DATE: 2000-07-03

; PRIOR APPLICATION NUMBER: 60/215,902

; PRIOR FILING DATE: 2000-07-03

; PRIOR APPLICATION NUMBER: 60/216,585,

; PRIOR FILING DATE: 2000-07-07

; PRIOR APPLICATION NUMBER: 60/216,586

; PRIOR FILING DATE: 2001-07-07

; PRIOR APPLICATION NUMBER: 60/216,722

; PRIOR FILING DATE: 2000-07-07

; PRIOR APPLICATION NUMBER: 60/218,622

; PRIOR FILING DATE: 2000-07-17

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 136

; SOFTWARE: CuraSeqList version 0.1

; SEQ ID NO 111

; LENGTH: 401

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-190-115-111

Query Match 30.0%; Score 6; DB 14; Length 401;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WSSWAL 8

Db 60 WSSWAL 65

RESULT 29

US-10-190-115-114

; Sequence 114, Application US/10190115

; Publication No. US20030207394A1

; GENERAL INFORMATION:

; APPLICANT: Alsobrook, John P. II

; APPLICANT: Boldog, Ferenc L.

; APPLICANT: Burges, Catherine E.

; APPLICANT: Casman, Stacie J.

; APPLICANT: Grosse, William M.

; APPLICANT: Gusev, Vladimir Y.

; APPLICANT: Ji, Weizhen

; APPLICANT: Lepley, Denise M.

; APPLICANT: Liu, Xiaohong

; APPLICANT: Mezik, Amanda J.

; APPLICANT: Padigaru, Muralidhara

; APPLICANT: Patturajan, Meera

; APPLICANT: Rastelli, Luca

; APPLICANT: Shen, Lei

; APPLICANT: Shenoy, Suresh G.

; APPLICANT: Shimkets, Richard A.

; APPLICANT: Spaderna, Steven K.

; APPLICANT: Spytek, Kimberly A.

; APPLICANT: Szekeres, Edward S. Jr.

; APPLICANT: Taupier, Raymond J. Jr.

; APPLICANT: Tchernev, Velizar T.

; APPLICANT: Zerhusen, Bryan D.

; APPLICANT: Voss, Edward Z.

; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME

; FILE REFERENCE: 21402-050 CIP

; CURRENT APPLICATION NUMBER: US/10/190,115

; CURRENT FILING DATE: 2003-02-10

; PRIOR APPLICATION NUMBER: 60/303,168

; PRIOR FILING DATE: 2001-07-05

; PRIOR APPLICATION NUMBER: 60/368,996

; PRIOR FILING DATE: 2002-04-01

; PRIOR APPLICATION NUMBER: 60/386,816

; PRIOR FILING DATE: 2002-06-07

; PRIOR APPLICATION NUMBER: 60/215,854

; PRIOR FILING DATE: 2000-07-03

; PRIOR APPLICATION NUMBER: 60/215,856

; PRIOR FILING DATE: 2000-07-03

; PRIOR APPLICATION NUMBER: 60/215,902

; PRIOR FILING DATE: 2000-07-03

; PRIOR APPLICATION NUMBER: 60/216,585,

; PRIOR FILING DATE: 2000-07-07

; PRIOR APPLICATION NUMBER: 60/216,586

; PRIOR FILING DATE: 2001-07-07

; PRIOR APPLICATION NUMBER: 60/216,722

; PRIOR FILING DATE: 2000-07-07

; PRIOR APPLICATION NUMBER: 60/218,622

; PRIOR FILING DATE: 2000-07-17

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 136

; SOFTWARE: CuraSeqList version 0.1

; SEQ ID NO 114

; LENGTH: 401

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-190-115-114

Query Match 30.0%; Score 6; DB 14; Length 401;
 Best Local Similarity 100.0%; Pred. No. 2.2e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 3 WSSWAL 8
 Db 60 WSSWAL 65

RESULT 30
 US-10-190-115-116
 ; Sequence 116, Application US/10190115
 ; Publication No. US20030207394A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alsobrook, John P. II
 ; APPLICANT: Boldog, Ferenc L.
 ; APPLICANT: Burgess, Catherine E.
 ; APPLICANT: Casman, Stacie J.
 ; APPLICANT: Grosse, William M.
 ; APPLICANT: Gusev, Vladimir Y.
 ; APPLICANT: Ji, Weizhen
 ; APPLICANT: Lepley, Denise M.
 ; APPLICANT: Liu, Xiaohong
 ; APPLICANT: Mezick, Amanda J.
 ; APPLICANT: Padigar, Muralidhara
 ; APPLICANT: Patturajan, Meera
 ; APPLICANT: Rastelli, Luca
 ; APPLICANT: Shen, Lei
 ; APPLICANT: Shenoy, Suresh G.
 ; APPLICANT: Shimkets, Steven K.
 ; APPLICANT: Spaderna, Steven K.
 ; APPLICANT: Spytek, Kimberly A.
 ; APPLICANT: Szekeres, Edward S. Jr.
 ; APPLICANT: Taupier, Raymond J. Jr.
 ; APPLICANT: Tchernev, Velizar T.
 ; APPLICANT: Zerhusen, Bryan D.
 ; APPLICANT: Voss, Edward Z.
 ; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
 ; FILE REFERENCE: 21402-050 CIP
 ; CURRENT APPLICATION NUMBER: US/10/190,115
 ; CURRENT FILING DATE: 2003-02-10
 ; PRIOR APPLICATION NUMBER: 60/303,168
 ; PRIOR FILING DATE: 2001-07-05
 ; PRIOR APPLICATION NUMBER: 60/368,996
 ; PRIOR FILING DATE: 2002-04-01
 ; PRIOR APPLICATION NUMBER: 60/386,816
 ; PRIOR FILING DATE: 2002-06-07
 ; PRIOR APPLICATION NUMBER: 60/215,854
 ; PRIOR FILING DATE: 2000-07-03
 ; PRIOR APPLICATION NUMBER: 60/215,856
 ; PRIOR FILING DATE: 2000-07-03
 ; PRIOR APPLICATION NUMBER: 60/215,902
 ; PRIOR FILING DATE: 2000-07-03
 ; PRIOR APPLICATION NUMBER: 60/216,585
 ; PRIOR FILING DATE: 2000-07-07
 ; PRIOR APPLICATION NUMBER: 60/216,586
 ; PRIOR FILING DATE: 2001-07-07
 ; PRIOR APPLICATION NUMBER: 60/216,722
 ; PRIOR FILING DATE: 2000-07-07
 ; PRIOR APPLICATION NUMBER: 60/218,622
 ; PRIOR FILING DATE: 2000-07-17
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 136
 ; SOFTWARE: CuraseqList version 0.1
 ; SEQ ID NO 116
 ; LENGTH: 401
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-190-115-116

Query Match 30.0%; Score 6; DB 14; Length 401;
 Best Local Similarity 100.0%; Pred. No. 2.2e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 3 WSSWAL 8
 Db 60 WSSWAL 65

RESULT 31
 US-10-190-115-118
 ; Sequence 118, Application US/10190115
 ; Publication No. US20030207394A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alsobrook, John P. II
 ; APPLICANT: Boldog, Ferenc L.
 ; APPLICANT: Burgess, Catherine E.
 ; APPLICANT: Casman, Stacie J.
 ; APPLICANT: Grosse, William M.
 ; APPLICANT: Gusev, Vladimir Y.
 ; APPLICANT: Ji, Weizhen
 ; APPLICANT: Lepley, Denise M.
 ; APPLICANT: Liu, Xiaohong
 ; APPLICANT: Mezick, Amanda J.
 ; APPLICANT: Padigar, Muralidhara
 ; APPLICANT: Patturajan, Meera
 ; APPLICANT: Rastelli, Luca
 ; APPLICANT: Shen, Lei
 ; APPLICANT: Shenoy, Suresh G.
 ; APPLICANT: Shimkets, Steven K.
 ; APPLICANT: Spaderna, Steven K.
 ; APPLICANT: Spytek, Kimberly A.
 ; APPLICANT: Szekeres, Edward S. Jr.
 ; APPLICANT: Taupier, Raymond J. Jr.
 ; APPLICANT: Tchernev, Velizar T.
 ; APPLICANT: Zerhusen, Bryan D.
 ; APPLICANT: Voss, Edward Z.
 ; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
 ; FILE REFERENCE: 21402-050 CIP
 ; CURRENT APPLICATION NUMBER: US/10/190,115
 ; CURRENT FILING DATE: 2003-02-10
 ; PRIOR APPLICATION NUMBER: 60/303,168
 ; PRIOR FILING DATE: 2001-07-05
 ; PRIOR APPLICATION NUMBER: 60/368,996
 ; PRIOR FILING DATE: 2002-04-01
 ; PRIOR APPLICATION NUMBER: 60/386,816
 ; PRIOR FILING DATE: 2002-06-07
 ; PRIOR APPLICATION NUMBER: 60/215,854
 ; PRIOR FILING DATE: 2000-07-03
 ; PRIOR APPLICATION NUMBER: 60/215,856
 ; PRIOR FILING DATE: 2000-07-03
 ; PRIOR APPLICATION NUMBER: 60/215,902
 ; PRIOR FILING DATE: 2000-07-03
 ; PRIOR APPLICATION NUMBER: 60/216,585
 ; PRIOR FILING DATE: 2000-07-07
 ; PRIOR APPLICATION NUMBER: 60/216,586
 ; PRIOR FILING DATE: 2001-07-07
 ; PRIOR APPLICATION NUMBER: 60/216,722
 ; PRIOR FILING DATE: 2000-07-07
 ; PRIOR APPLICATION NUMBER: 60/218,622
 ; PRIOR FILING DATE: 2000-07-17
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 136
 ; SOFTWARE: CuraseqList version 0.1
 ; SEQ ID NO 118
 ; LENGTH: 401
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-190-115-118

Query Match 30.0%; Score 6; DB 14; Length 401;
 Best Local Similarity 100.0%; Pred. No. 2.2e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 3 WSSWAL 8

Db 60 WSSWAL 65
|||||

RESULT 32

US-10-369-493-7358
; Sequence 7358, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 7358
; LENGTH: 429
; TYPE: PRT
; ORGANISM: Burkholderia cepacia
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(429)
; OTHER INFORMATION: unsure at all Xaa locations
US-10-369-493-7358

Query Match 30.0%; Score 6; DB 14; Length 429;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 LGWRWL 13
|||||
Db 164 LGWRWL 169

RESULT 33

US-10-437-963-122938
; Sequence 122938, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 122938
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_25820C.1.pep
US-10-437-963-122938

Query Match 30.0%; Score 6; DB 16; Length 472;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYGW 18

Db 369 LRRYGW 374
|||||

RESULT 34

US-10-437-963-122935
; Sequence 122935, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 122935
; LENGTH: 500
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_25818C.1.pep
US-10-437-963-122935

Query Match 30.0%; Score 6; DB 16; Length 500;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYGW 18
|||||
Db 397 LRRYGW 402

RESULT 35

US-10-006-852-2
; Sequence 2, Application US/10006852
; Publication No. US20030046732A1
; GENERAL INFORMATION:
; APPLICANT: Kinnnersely, Alan M.
; APPLICANT: Turano, Frank J.
; TITLE OF INVENTION: Methods for Regulating Plant GABA Production
; FILE REFERENCE: 7224-65
; CURRENT APPLICATION NUMBER: US/10/006,852
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: US 60/246,367
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: patentin version 3.1
; SEQ ID NO 2
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-006-852-2

Query Match 30.0%; Score 6; DB 14; Length 502;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LRRYGW 18
|||||
Db 395 LRRYGW 400

RESULT 36

US-10-289-161A-9
; Sequence 9, Application US/10289161A

```
; Publication No. US20030152970A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Silos-Santiago, Inmaculada
; TITLE OF INVENTION: Methods and Compositions to Treat Pain
; TITLE OF INVENTION: and Painful Disorders Using 577, 20739 or 57145
; FILE REFERENCE: MPI2001-287PIR(M)
; CURRENT APPLICATION NUMBER: US/10/289,161A
; CURRENT FILING DATE: 2003-03-25
; PRIOR APPLICATION NUMBER: US 60/333,073
; PRIOR FILING DATE: 2001-11-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 548
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-289-161A-9

Query Match      30.0%; Score 6; DB 14; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 LGWRWL 13
      |||||
Db      235 LGWRWL 240

RESULT 37
US-10-308-163-8
; Sequence 8, Application US/10308163
; Publication No. US20040106147A1
; GENERAL INFORMATION:
; APPLICANT: UCB, S.A.
; APPLICANT: LYNCH, Berkley
; APPLICANT: NOCKA, Karl
; APPLICANT: FUKS, Bruno
; TITLE OF INVENTION: Levettiracetam Binding Site
; FILE REFERENCE: 53529-5007
; CURRENT APPLICATION NUMBER: US/10/308,163
; CURRENT FILING DATE: 2002-12-03
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 548
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-308-163-8

Query Match      30.0%; Score 6; DB 16; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 LGWRWL 13
      |||||
Db      235 LGWRWL 240

RESULT 38
US-10-308-163-16
; Sequence 16, Application US/10308163
; Publication No. US20040106147A1
; GENERAL INFORMATION:
; APPLICANT: UCB, S.A.
; APPLICANT: LYNCH, Berkley
; APPLICANT: NOCKA, Karl
; APPLICANT: FUKS, Bruno
; TITLE OF INVENTION: Levettiracetam Binding Site
; FILE REFERENCE: 53529-5007
; CURRENT APPLICATION NUMBER: US/10/308,163
; CURRENT FILING DATE: 2002-12-03
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
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; SEQ ID NO 16
; LENGTH: 548
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-308-163-16

Query Match      30.0%; Score 6; DB 16; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 LGWRWL 13
      |||||
Db      235 LGWRWL 240

RESULT 39
US-10-725-189-8
; Sequence 8, Application US/10725189
; Publication No. US20040204388A1
; GENERAL INFORMATION:
; APPLICANT: UCB, S.A.
; APPLICANT: LYNCH, Berkley
; APPLICANT: NOCKA, Karl
; APPLICANT: FUKS, Bruno
; TITLE OF INVENTION: Methods for the identification of agents for the treatment of
; TITLE OF INVENTION: seizures, neurological diseases, endocrinopathies and hormonal
; FILE REFERENCE: 53529-5007-01-US
; CURRENT APPLICATION NUMBER: US/10/725,189
; CURRENT FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US 60/430,372
; PRIOR FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: US 60/506,764
; PRIOR FILING DATE: 2003-09-30
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 548
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-725-189-8

Query Match      30.0%; Score 6; DB 17; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 LGWRWL 13
      |||||
Db      235 LGWRWL 240

RESULT 40
US-10-725-189-16
; Sequence 16, Application US/10725189
; Publication No. US20040204388A1
; GENERAL INFORMATION:
; APPLICANT: UCB, S.A.
; APPLICANT: LYNCH, Berkley
; APPLICANT: NOCKA, Karl
; APPLICANT: FUKS, Bruno
; TITLE OF INVENTION: Methods for the identification of agents for the treatment of
; TITLE OF INVENTION: seizures, neurological diseases, endocrinopathies and hormonal
; FILE REFERENCE: 53529-5007-01-US
; CURRENT APPLICATION NUMBER: US/10/725,189
; CURRENT FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US 60/430,372
; PRIOR FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: US 60/506,764
; PRIOR FILING DATE: 2003-09-30
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
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```
; LENGTH: 548
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-725-189-16

Query Match          30.0%; Score 6; DB 17; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 LGWRWL 13
        |||||
Db      235 LGWRWL 240

RESULT 41
US-10-768-158-24
; Sequence 24, Application US/10768158
; Publication No. US20040204359A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Silos-Santiago, Immaculada
; APPLICANT: Karicheti, Venkateswarlu
; APPLICANT: Eliasof, Scott D.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; TITLE OF INVENTION: PAIN AND PAINFUL DISORDERS USING 16386, 15402, 21165, 1423,
; TITLE OF INVENTION: 636, 12303, 21425, 27410, 38554, 38555, 55063, 57145, 59914,
; TITLE OF INVENTION: 94921, 16852, 33260, 58573, 30911, 85913, 14303, 16816,
; TITLE OF INVENTION: 17827 OR 32620
; FILE REFERENCE: MEI03-012P1RN0M1N1
; CURRENT APPLICATION NUMBER: US/10/768,158
; CURRENT FILING DATE: 2004-01-30
; PRIOR APPLICATION NUMBER: US 60/444,781
; PRIOR FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: US 60/452,291
; PRIOR FILING DATE: 2003-03-05
; PRIOR APPLICATION NUMBER: US 60/454,540
; PRIOR FILING DATE: 2003-03-13
; PRIOR APPLICATION NUMBER: US 60/478,805
; PRIOR FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: US 60/491,048
; PRIOR FILING DATE: 2003-07-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 548
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-768-158-24

Query Match          30.0%; Score 6; DB 17; Length 548;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 LGWRWL 13
        |||||
Db      235 LGWRWL 240

RESULT 42
US-10-437-963-117634
; Sequence 117634, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

US-10-437-963-117634
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 117634
; LENGTH: 617
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(617)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_21020C.1.pep
US-10-437-963-117634

Query Match          30.0%; Score 6; DB 16; Length 617;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 WRWLRR 15
        |||||
Db      145 WRWLRR 150

RESULT 43
US-10-437-963-144980
; Sequence 144980, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

US-10-437-963-144980
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 144980
; LENGTH: 677
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(677)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_45743C.1.pep
US-10-437-963-144980

Query Match          30.0%; Score 6; DB 16; Length 677;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 SSWALG 9
        |||||
Db      330 SSWALG 335

RESULT 44
US-09-854-845-16
; Sequence 16, Application US/09854845
; Patent No. US20020098491A1
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
```

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; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 117634
; LENGTH: 617
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(617)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_21020C.1.pep
US-10-437-963-117634

Query Match          30.0%; Score 6; DB 16; Length 617;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 WRWLRR 15
        |||||
Db      145 WRWLRR 150

RESULT 43
US-10-437-963-144980
; Sequence 144980, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

US-10-437-963-144980
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 144980
; LENGTH: 677
; TYPE: PRT
; ORGANISM: Oryza sativa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(677)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_45743C.1.pep
US-10-437-963-144980

Query Match          30.0%; Score 6; DB 16; Length 677;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 SSWALG 9
        |||||
Db      330 SSWALG 335

RESULT 44
US-09-854-845-16
; Sequence 16, Application US/09854845
; Patent No. US20020098491A1
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
```

```
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: No. US20020098491A1el Human Semaphorin Homologs and Polynucleotid
; FILE REFERENCE: LEX-0177-USA
; CURRENT APPLICATION NUMBER: US/09/854,845
; PRIOR FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/205,274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208,893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 939
; TYPE: PRT
; ORGANISM: homo sapiens
; US-09-854-845-16

Query Match      30.0%; Score 6; DB 9; Length 939;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 WSSWAL 8
      |||||
Db      473 WSSWAL 478

RESULT 45
US-09-854-845-14
; Sequence 14, Application US/09854845
; Patent No. US20020098491A1
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: No. US20020098491A1el Human Semaphorin Homologs and Polynucleotid
; FILE REFERENCE: LEX-0177-USA
; CURRENT APPLICATION NUMBER: US/09/854,845
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/205,274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208,893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 954
; TYPE: PRT
; ORGANISM: homo sapiens
; US-09-854-845-14

Query Match      30.0%; Score 6; DB 9; Length 954;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 WSSWAL 8
      |||||
Db      473 WSSWAL 478

RESULT 46
US-09-854-845-6
; Sequence 6, Application US/09854845
; Patent No. US20020098491A1
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: No. US20020098491A1el Human Semaphorin Homologs and Polynucleotid
; FILE REFERENCE: LEX-0177-USA
; CURRENT APPLICATION NUMBER: US/09/854,845
; CURRENT FILING DATE: 2001-05-14
```

```
; PRIOR APPLICATION NUMBER: US 60/205,274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208,893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1034
; TYPE: PRT
; ORGANISM: homo sapiens
; US-09-854-845-6

Query Match      30.0%; Score 6; DB 9; Length 1034;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 WSSWAL 8
      |||||
Db      568 WSSWAL 573

RESULT 47
US-09-854-845-2
; Sequence 2, Application US/09854845
; Patent No. US20020098491A1
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: No. US20020098491A1el Human Semaphorin Homologs and Polynucleotid
; FILE REFERENCE: LEX-0177-USA
; CURRENT APPLICATION NUMBER: US/09/854,845
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/205,274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208,893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1049
; TYPE: PRT
; ORGANISM: homo sapiens
; US-09-854-845-2

Query Match      30.0%; Score 6; DB 9; Length 1049;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 WSSWAL 8
      |||||
Db      568 WSSWAL 573

RESULT 48
US-09-854-845-8
; Sequence 8, Application US/09854845
; Patent No. US20020098491A1
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: No. US20020098491A1el Human Semaphorin Homologs and Polynucleotid
; FILE REFERENCE: LEX-0177-USA
; CURRENT APPLICATION NUMBER: US/09/854,845
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/205,274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208,893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
```



```
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 1078
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-854-845-8

Query Match          30.0%; Score 6; DB 9; Length 1078;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 WSSWAL 8
Db      612 WSSWAL 617

RESULT 49
US-09-946-374-102
; Sequence 102, Application US/09946374
; Publication No. US20030073129A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2830P1C1
; CURRENT FILING DATE: 2001-09-04
; PRIOR APPLICATION NUMBER: US/09/946,374
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098716
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098723
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098749
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; PRIOR APPLICATION NUMBER: 60/098750
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: 60/098803
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;; PRIOR FILING DATE: 1998-09-24
;; PRIOR APPLICATION NUMBER: 60/101915
;; PRIOR FILING DATE: 1998-09-24
;; PRIOR APPLICATION NUMBER: 60/101916
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;; PRIOR FILING DATE: 1998-09-29
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;; PRIOR APPLICATION NUMBER: 60/102330
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;; PRIOR APPLICATION NUMBER: 60/103314
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;; PRIOR APPLICATION NUMBER: 60/103315
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;; PRIOR FILING DATE: 1998-10-14
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;; PRIOR FILING DATE: 1998-10-26
;; PRIOR APPLICATION NUMBER: 60/105694
;; PRIOR FILING DATE: 1998-10-26
;; PRIOR APPLICATION NUMBER: 60/105807

Query Match 30.0%; Score 6; DB 10; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WRRYG 17
DB 687 WRRYG 692

RESULT 50

US-10-052-586-266
; Sequence 266, Application US/10052586
; Publication No. US20020127584A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/052,586
; CURRENT FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
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; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/077450

; PRIOR FILING DATE: 1998-03-10
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; PRIOR FILING DATE: 1998-05-28
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; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
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; PRIOR FILING DATE: 1998-06-16
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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089908

Query Match 30.0%; Score 6; DB 13; Length 1089;

Best Local Similarity 100.0%; Pred. No. 4.6e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17

Db 687 WLRRYG 692

RESULT 51
US-10-174-590-266
; Sequence 266, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-590-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRYYG 17
| | | | |
Db 687 WLRYYG 692

RESULT 52
US-10-176-758-266
; Sequence 266, Application US/10176758
; Publication No. US20030008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-758-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRYYG 17
| | | | |
Db 687 WLRYYG 692

RESULT 53
US-10-175-737-266
; Sequence 266, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRYYG 17
| | | | |
Db 687 WLRYYG 692

RESULT 54
US-10-174-581-266
; Sequence 266, Application US/10174581
; Publication No. US20030017540A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C41
; CURRENT APPLICATION NUMBER: US/10/174,581
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-581-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

[illegible]

;; PRIOR FILING DATE: 1998-06-10
;; PRIOR APPLICATION NUMBER: 60/088824
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;; PRIOR FILING DATE: 1998-06-17
;; PRIOR APPLICATION NUMBER: 60/089653

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
Db 687 WLRRYG 692

RESULT 55

US-10-176-483-266
; Sequence 266, Application US/10176483
; Publication No. US20030017541A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3430R1C68

;; CURRENT APPLICATION NUMBER: US/10/176,483

;; CURRENT FILING DATE: 2002-06-20

;; Prior application removed - See File Wrapper or Palm

;; NUMBER OF SEQ ID NOS: 612

;; SEQ ID NO 266

;; LENGTH: 1089

;; TYPE: PRT

;; ORGANISM: Homo Sapien

US-10-176-483-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
Db 687 WLRRYG 692

RESULT 56

US-10-176-749-266

; Sequence 266, Application US/10176749

; Publication No. US20030017542A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

;; FILE REFERENCE: P3430R1C76

;; CURRENT APPLICATION NUMBER: US/10/176,749

;; CURRENT FILING DATE: 2002-06-20

;; Prior application removed - See File Wrapper or Palm

;; NUMBER OF SEQ ID NOS: 612

;; SEQ ID NO 266

;; LENGTH: 1089

;; TYPE: PRT

;; ORGANISM: Homo Sapien

US-10-176-749-266

Query Match 30.0%; Score 6; DB 14; Length 1089;

Best Local Similarity 100.0%; Pred. No. 4.6e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
Db 687 WLRRYG 692

RESULT 57

US-10-176-914-266

; Sequence 266, Application US/10176914

; Publication No. US20030017543A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

;; FILE REFERENCE: P3430R1C83

;; CURRENT APPLICATION NUMBER: US/10/176,914

;; CURRENT FILING DATE: 2002-06-20

;; Prior application removed - See File Wrapper or Palm

;; NUMBER OF SEQ ID NOS: 612

;; SEQ ID NO 266

;; LENGTH: 1089

;; TYPE: PRT

;; ORGANISM: Homo Sapien

US-10-176-914-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17

```

Db      687 WLRRYG 692
|||||
RESULT 58
US-10-176-915-266
; Sequence 266, Application US/10176915
; Publication No. US20030017544A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C10
; CURRENT APPLICATION NUMBER: US/10/176,915
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-915-266

Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 WLRRYG 17
|||||
Db      687 WLRRYG 692

RESULT 59
US-10-173-706-266
; Sequence 266, Application US/10173706
; Publication No. US2003002293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-706-266

Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 WLRRYG 17
|||||
Db      687 WLRRYG 692

RESULT 60
US-10-175-738-266
; Sequence 266, Application US/10175738
; Publication No. US2003002294A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-738-266

Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 WLRRYG 17
|||||
Db      687 WLRRYG 692

RESULT 61
US-10-175-752-266
; Sequence 266, Application US/10175752
; Publication No. US2003002295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-752-266
```

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
|||||
Db 687 WLRRYG 692

RESULT 62

US-10-176-482-266
; Sequence 266, Application US/10176482
; Publication No. US20030022296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C66
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
|||||
Db 687 WLRRYG 692

RESULT 63

US-10-176-757-266
; Sequence 266, Application US/10176757
; Publication No. US20030022297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176,757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089

; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
|||||
Db 687 WLRRYG 692

RESULT 64

US-10-176-913-266
; Sequence 266, Application US/10176913
; Publication No. US20030022298A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C66
; CURRENT APPLICATION NUMBER: US/10/176,913
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-913-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
|||||
Db 687 WLRRYG 692

RESULT 65

US-10-180-552-266
; Sequence 266, Application US/10180552
; Publication No. US20030022300A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C153
; CURRENT APPLICATION NUMBER: US/10/180,552
; CURRENT FILING DATE: 2002-06-25
; Prior Application removed - See File Wrapper or Palm


```
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-180-552-266
```

```
Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 WLRRYG 17
        |||||
Db      687 WLRRYG 692
```

RESULT 66

```
US-10-180-557-266
; Sequence 266, Application US/10180557
; Publication No. US20030022301A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
```

```
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C147
; CURRENT APPLICATION NUMBER: US/10/180,557
; CURRENT FILING DATE: 2002-06-25
```

```
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
```

```
; LENGTH: 1089
```

```
; TYPE: PRT
```

```
; ORGANISM: Homo Sapien
```

```
US-10-180-557-266
```

```
Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 WLRRYG 17
        |||||
Db      687 WLRRYG 692
```

RESULT 67

```
US-10-173-700-266
```

```
; Sequence 266, Application US/10173700
; Publication No. US20030027262A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
```

```
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C14
```

```
; CURRENT APPLICATION NUMBER: US/10/173,700
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
```

```
; LENGTH: 1089
```

```
; TYPE: PRT
```

```
; ORGANISM: Homo Sapien
```

```
US-10-173-700-266
```

```
Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 WLRRYG 17
        |||||
Db      687 WLRRYG 692
```

RESULT 68

```
US-10-174-572-266
```

```
; Sequence 266, Application US/10174572
; Publication No. US20030027263A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
```

```
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C40
```

```
; CURRENT APPLICATION NUMBER: US/10/174,572
```

```
; CURRENT FILING DATE: 2002-06-18
```

```
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
```

```
; LENGTH: 1089
```

```
; TYPE: PRT
```

```
; ORGANISM: Homo Sapien
```

```
US-10-174-572-266
```

```
Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      12 WLRRYG 17
        |||||
Db      687 WLRRYG 692
```

RESULT 69

```
US-10-174-579-266
```

```
; Sequence 266, Application US/10174579
; Publication No. US20030027264A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
```

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC31
; CURRENT APPLICATION NUMBER: US/10/174,579
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-579-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
Db 687 WLRRYG 692

RESULT 70
US-10-174-582-266
; Sequence 266, Application US/10174582
; Publication No. US20030027265A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC36
; CURRENT APPLICATION NUMBER: US/10/174,582
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-582-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
Db 687 WLRRYG 692

RESULT 71
US-10-174-588-266
; Sequence 266, Application US/10174588
; Publication No. US20030027266A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC28
; CURRENT APPLICATION NUMBER: US/10/174,588
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-588-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
Db 687 WLRRYG 692

RESULT 72
US-10-175-739-266
; Sequence 266, Application US/10175739
; Publication No. US20030027267A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430RIC46
; CURRENT APPLICATION NUMBER: US/10/175,739
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-739-266

Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 WLRRYG 17
Db 687 WLRRYG 692

RESULT 73
US-10-175-740-266
; Sequence 266, Application US/10175740
; Publication No. US20030027268A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

```
; APPLICANT: Gurney,Austin L.
; APPLICANT: Pan,James
; APPLICANT: Smith,Victoria
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C61
; CURRENT APPLICATION NUMBER: US/10/175,740
; CURRENT FILING DATE: 2002-06-18
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-740-266

Query Match      30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred.No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      12 WLRRYG 17
Db      687 WLRRYG 692

RESULT 74
US-10-175-743-266
; Sequence 266, Application US/10175743
; Publication No. US20030027269A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C52
; CURRENT APPLICATION NUMBER: US/10/175,743
; CURRENT FILING DATE: 2002-06-16
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
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; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
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; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
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; PRIOR FILING DATE: 1997-10-29
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; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
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; PRIOR APPLICATION NUMBER: 60/081070
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; PRIOR APPLICATION NUMBER: 60/083499
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; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/084366
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; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084639
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; PRIOR APPLICATION NUMBER: 60/087208
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; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088025
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; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088326
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; PRIOR FILING DATE: 1998-06-12
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; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
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; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
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Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 12 WRRYRG 17
Db 687 WRRYRG 692
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RESULT 75

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US-10-176-488-266
; Sequence 266, Application US/10176488
; Publication No. US20030027271A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Destoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C119
; CURRENT APPLICATION NUMBER: US/10/176,488
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 266
; LENGTH: 1089
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-488-266
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Query Match 30.0%; Score 6; DB 14; Length 1089;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 12 WRRYRG 17
Db 687 WRRYRG 692
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Search completed: October 26, 2004, 07:47:55
Job time : 66 secs
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